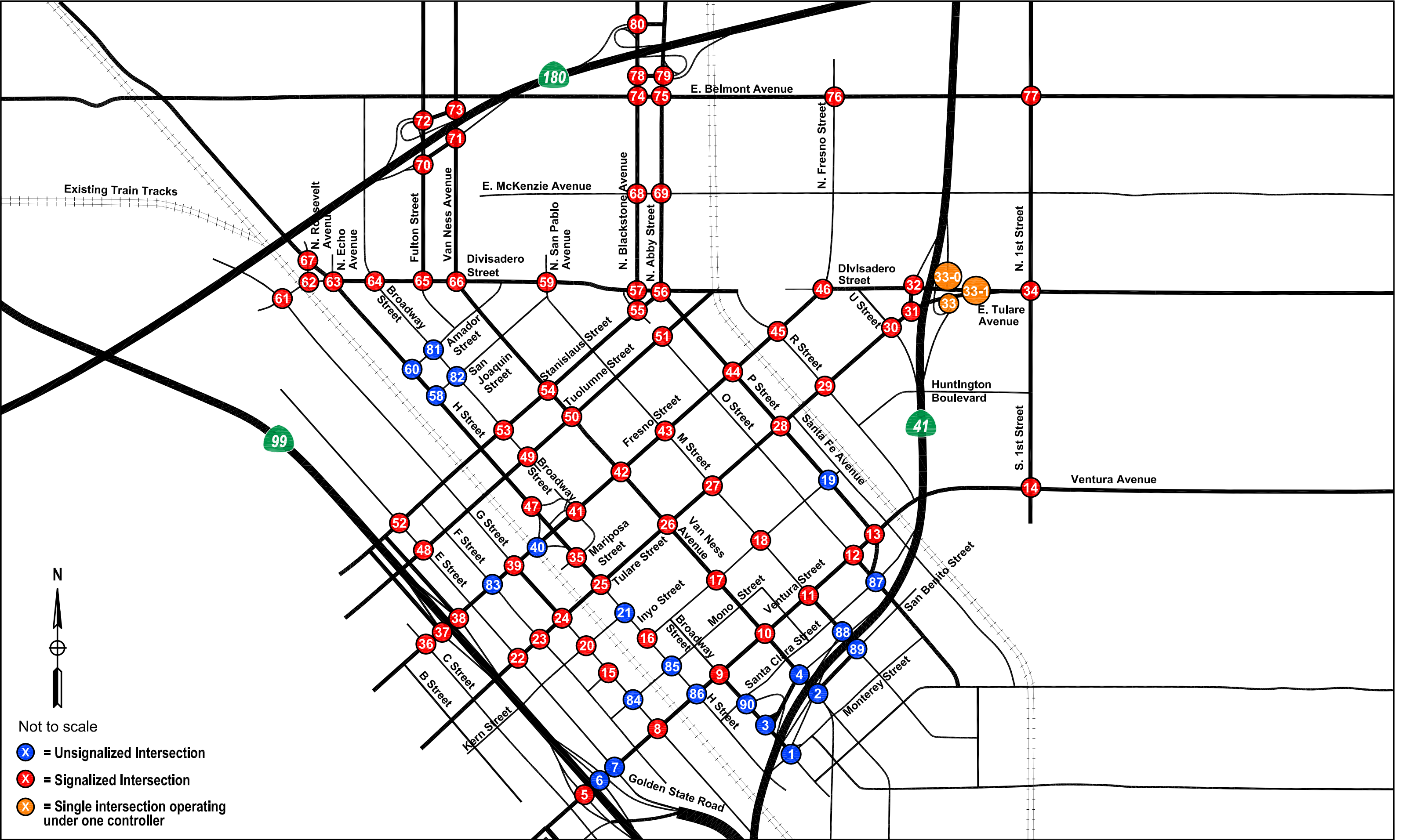
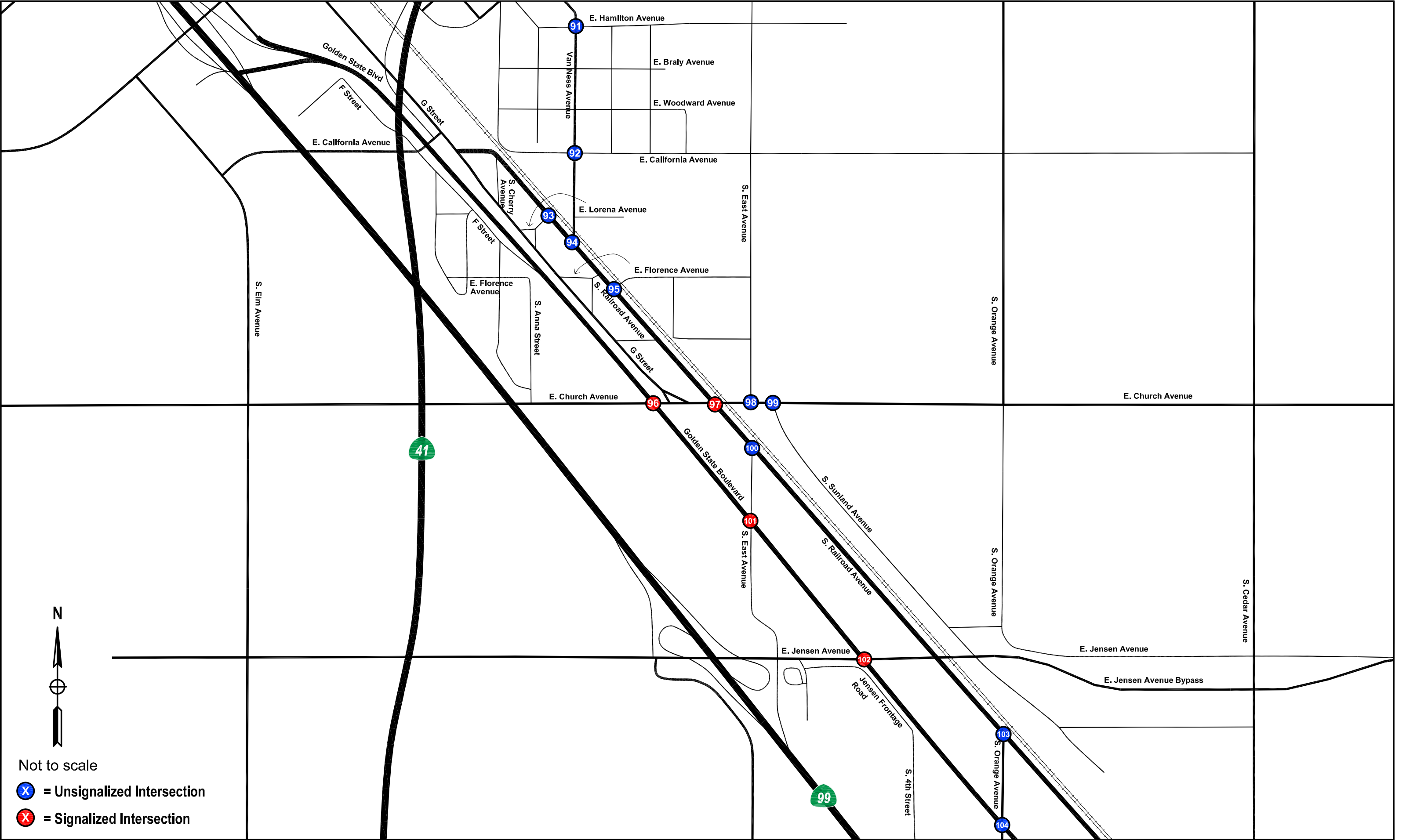
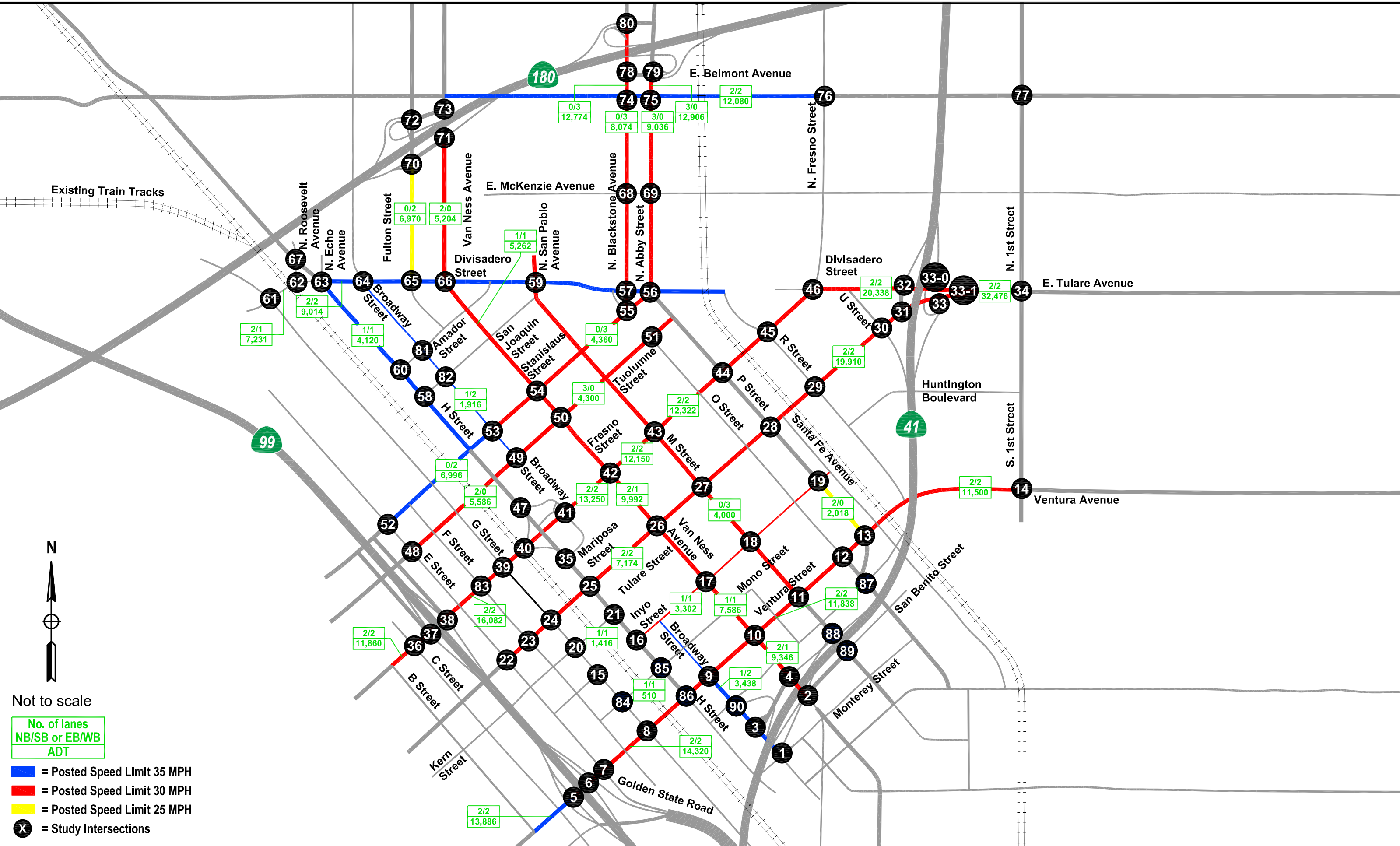
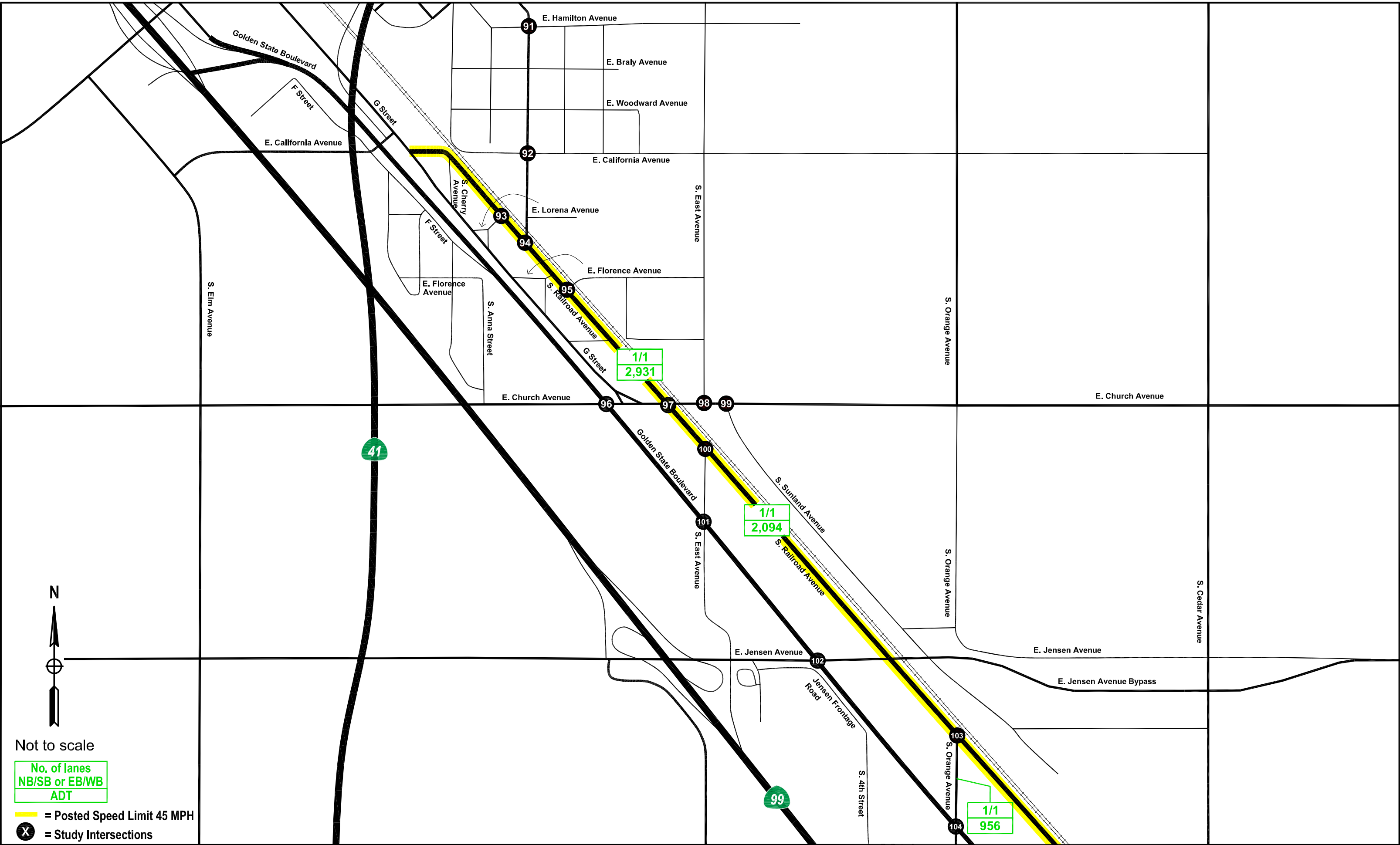


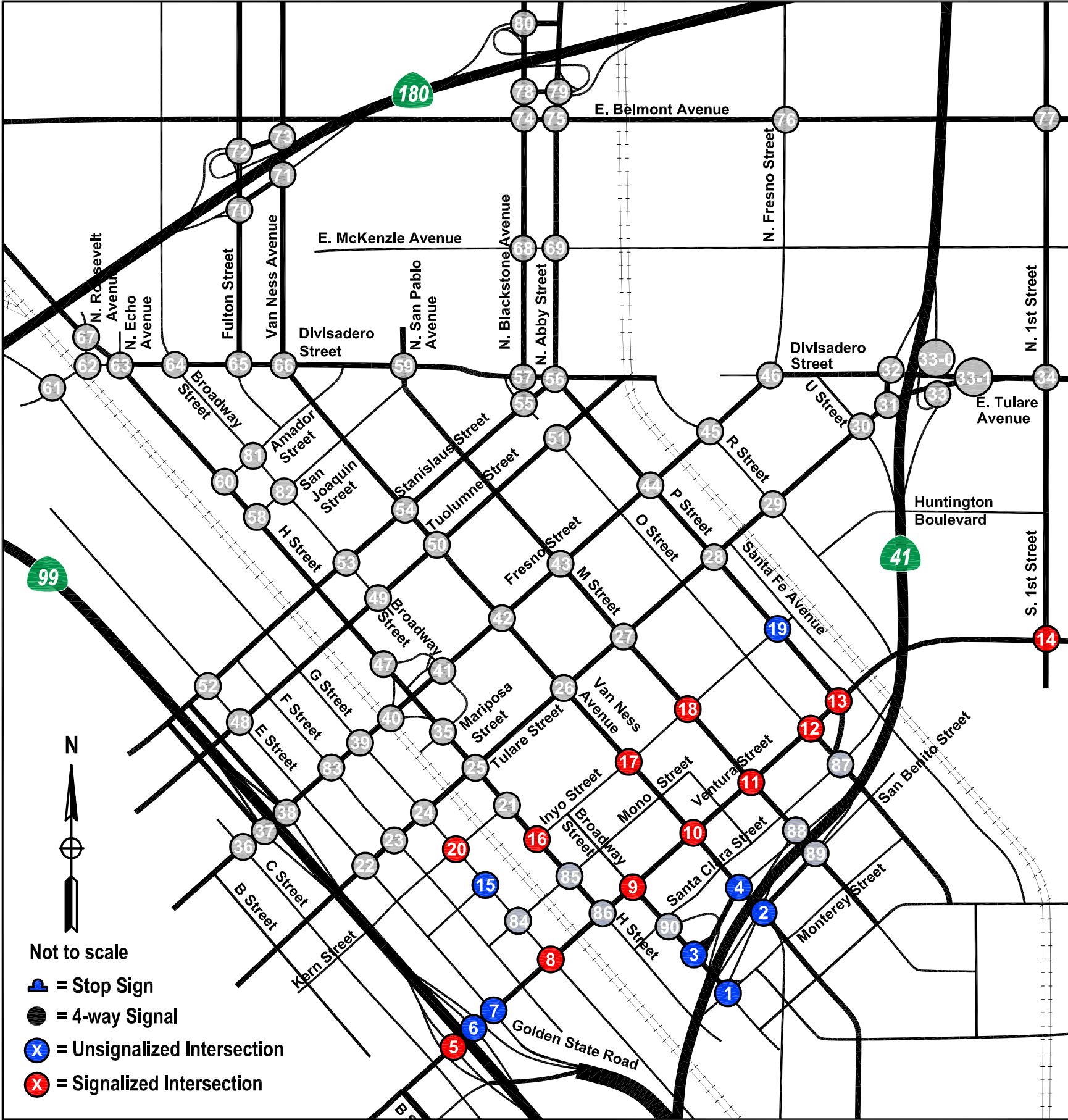
Figures (for Chapters 4 and 5)



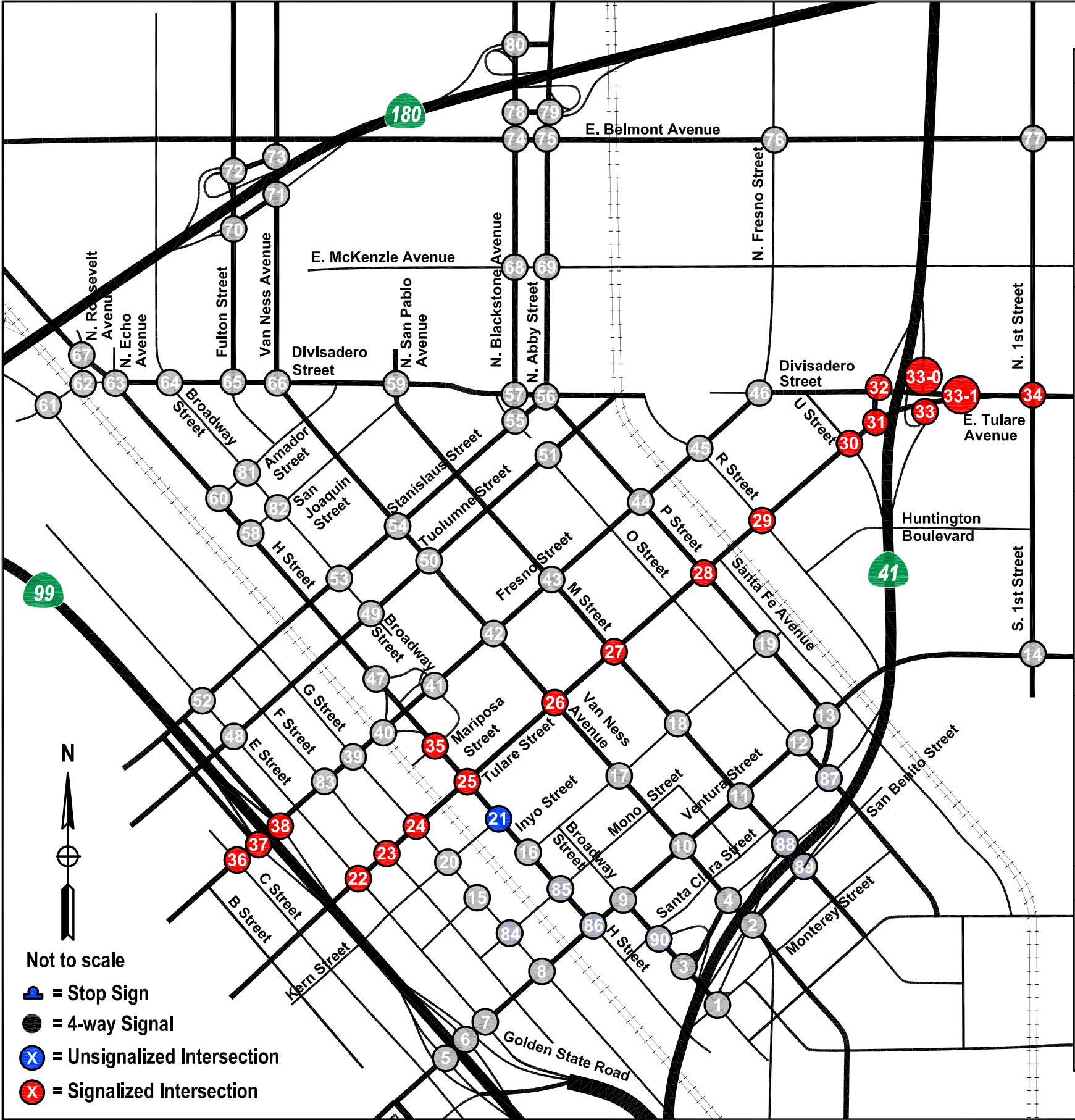






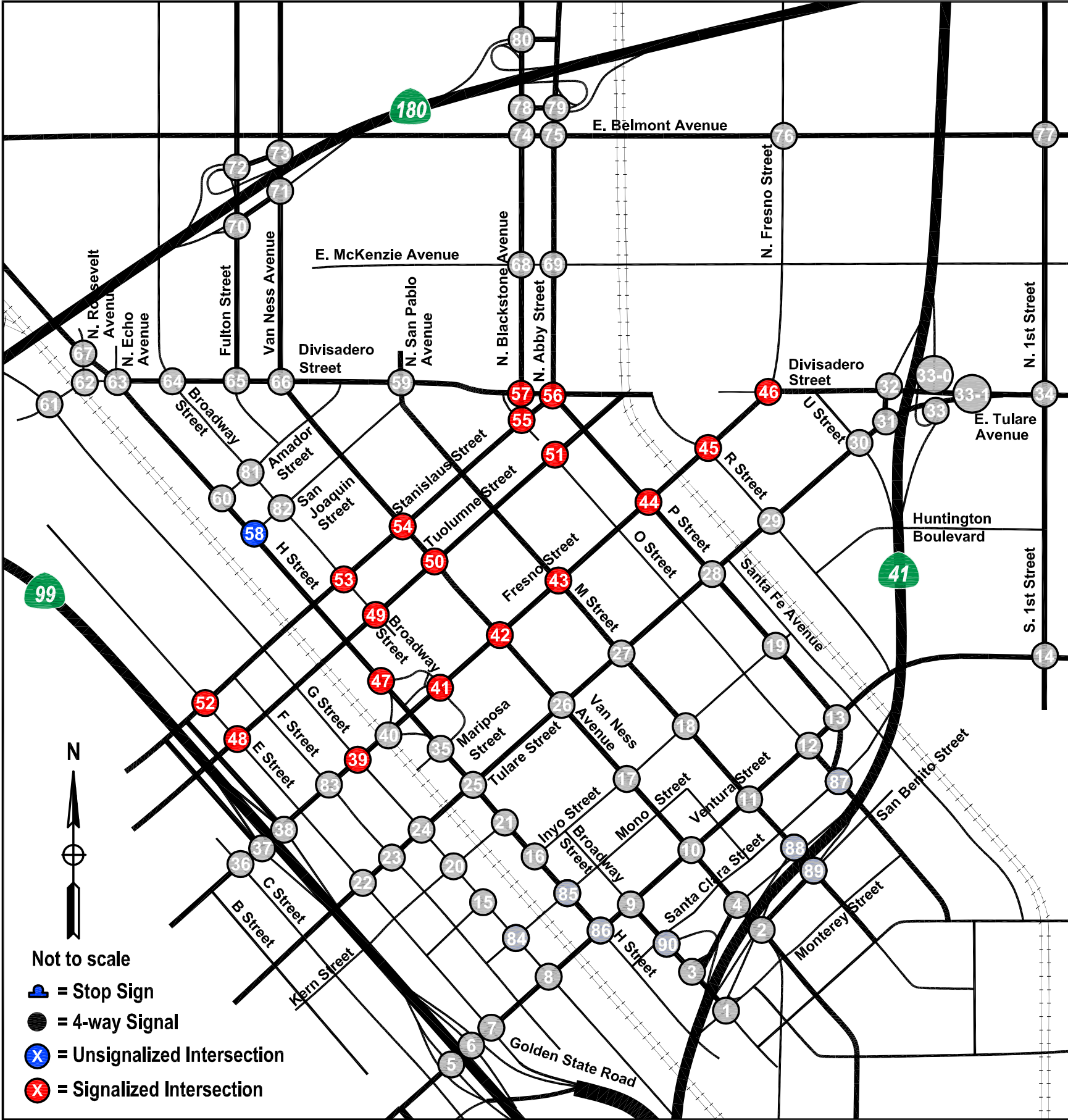


1. Broadway Street / SR 41 NB On-Ramp / Monterey Street	2. Van Ness Avenue / SR 41 NB Off-Ramp / San Benito Street	3. Broadway Street / SR 41 SB Off-Ramp	4. Van Ness Avenue / SR 41 SB Off-Ramp
5. SR 99 SB Ramps / Ventura Avenue	6. SR 99 NB Ramps / Ventura Avenue	7. E Street / Ventura Avenue	8. G Street / Ventura Avenue
9. Broadway Street / Ventura Avenue	10. Van Ness Avenue / Ventura Street	11. M Street / Ventura Street	12. O Street / Ventura Avenue
13. P Street / Ventura Avenue	14. S. 1st Street / Ventura Avenue	15. G Street / Inyo Street	16. H Street / Inyo Street
17. Van Ness Street / Inyo Street	18. M Street / Inyo Street	19. P Street / Inyo Street	20. G Street / Kern Street

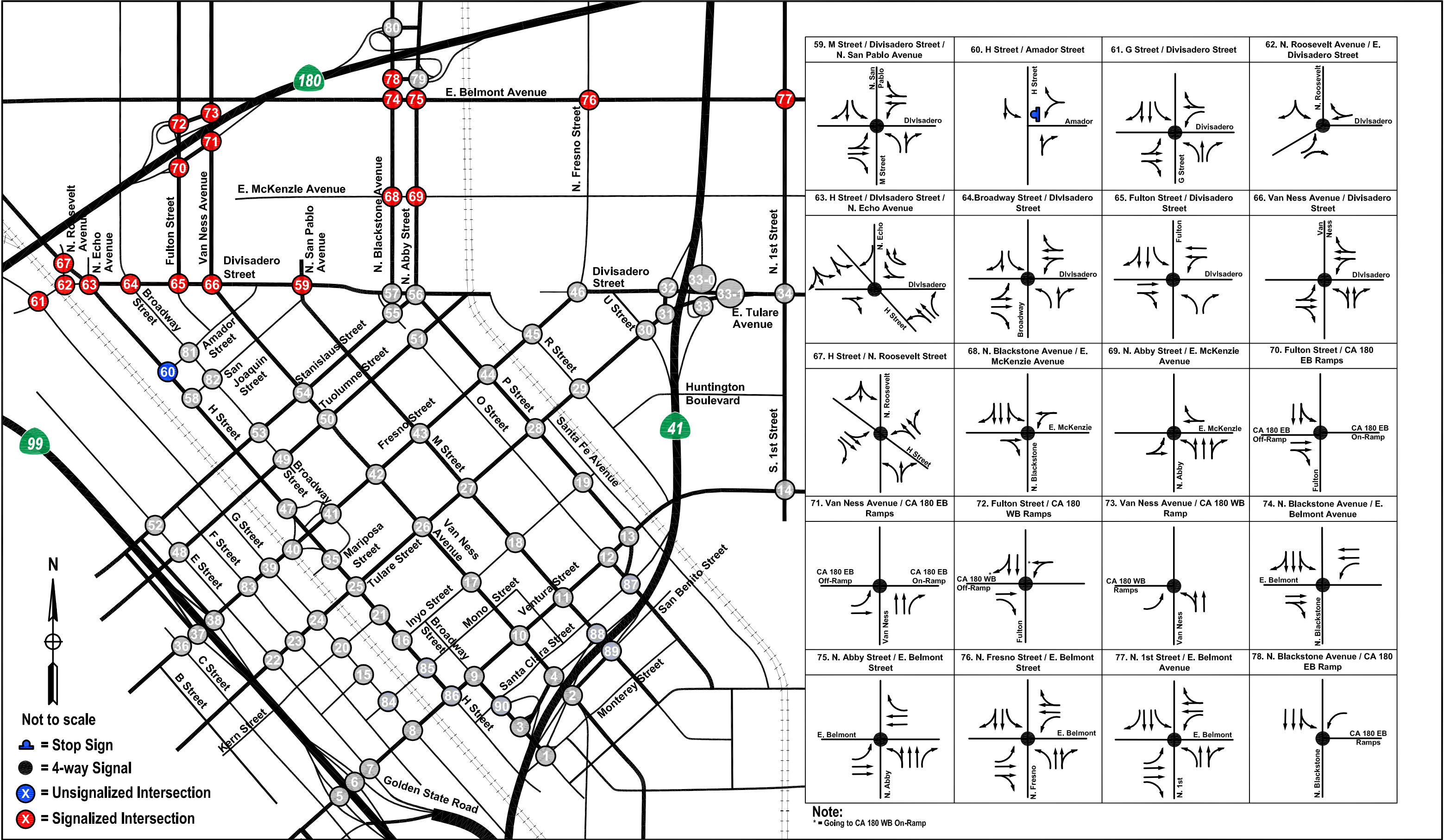


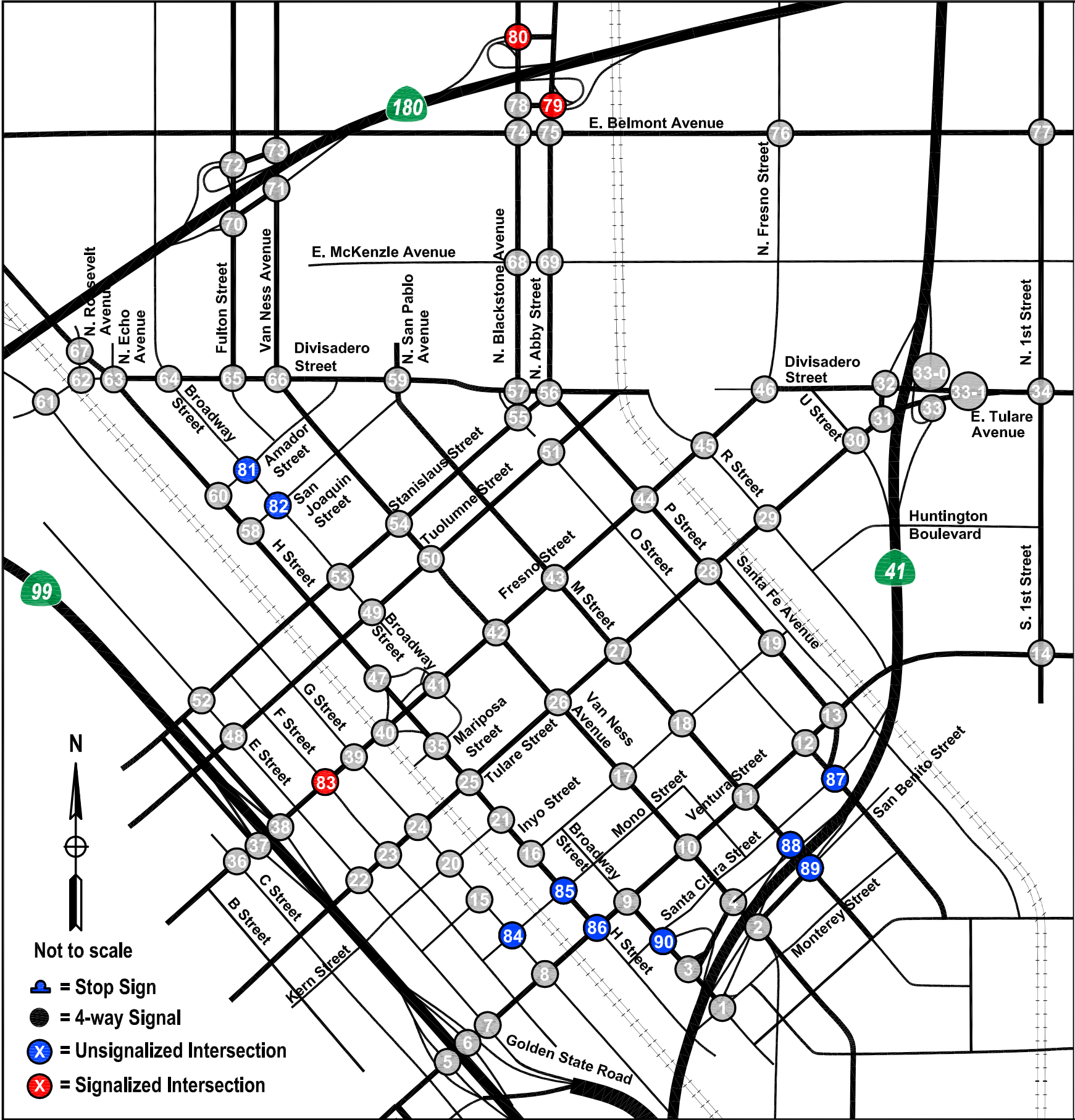
21. H Street / Kern Street	22. E Street / Tulare Street	23. F Street / Tulare Street	24. G Street / Tulare Street
25. H Street / Tulare Street	26. Van Ness Avenue / Tulare Street	27. M Street / Tulare Street	28. P Street / Tulare Street
29. R Street / Tulare Street	30. U Street / Tulare Street	31. Divisadero Street Off-Ramp / Tulare Street	32. SR 41 SB Off-Ramp / Divisadero Street
33. SR 41 NB Ramps / Tulare Street	33-0. SR 41 NB On-Ramp / E. Divisadero Street	33-1. E. Divisadero St / E. Tulare Avenue	34. N. 1st Street / Tulare Street
35. H Street / Mariposa Street / Fresno Street Ramp	36. C Street / Fresno Street	37. SR 99 SB Ramps / Fresno Street	38. SR 99 NB Ramps / Fresno Street

Note:
* = Going to SR 41 NB On-Ramp



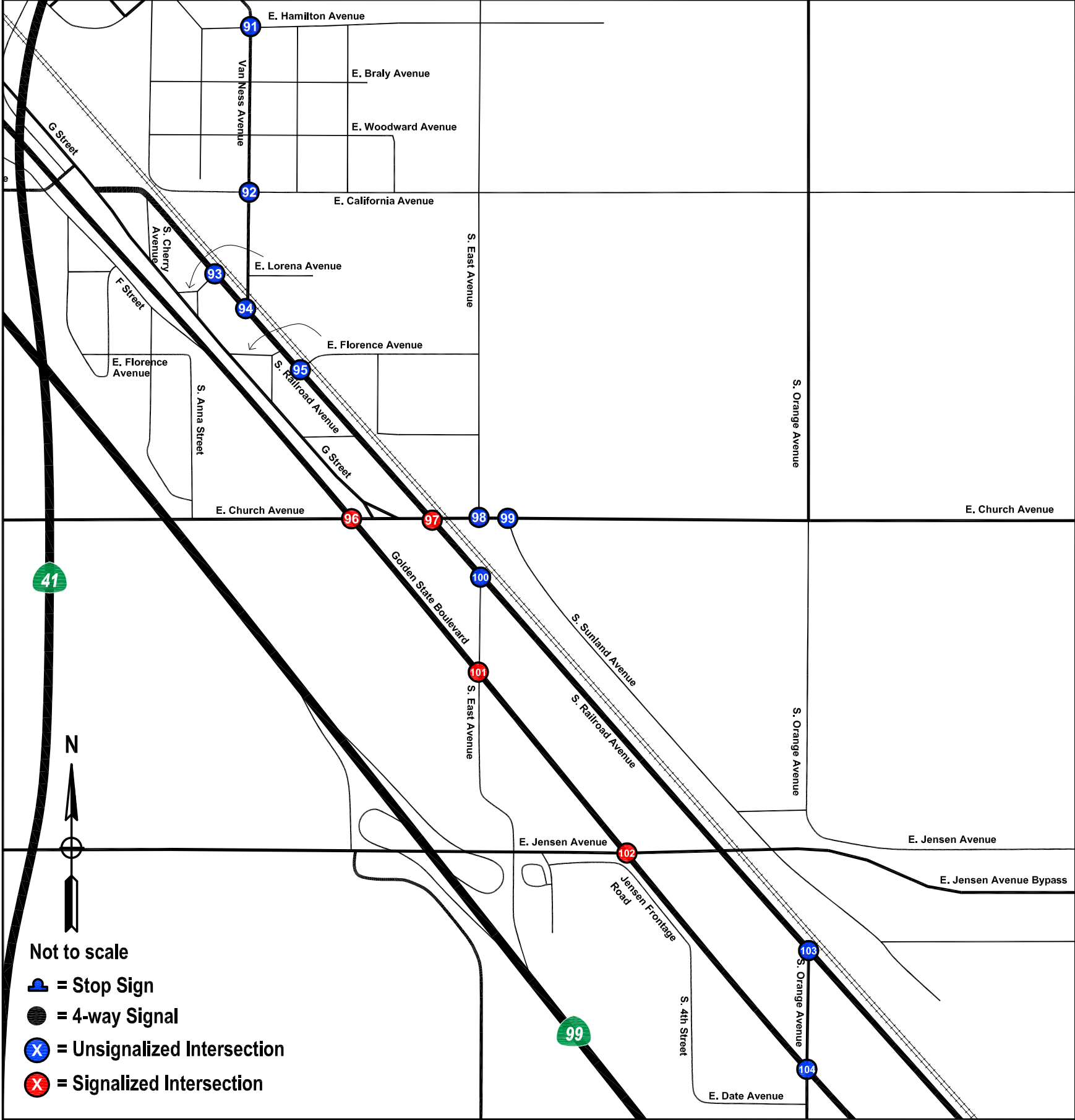
39. G Street / Fresno Street	40. H Street / Fresno Street	41. Broadway Street / Fresno Street	42. Van Ness Avenue / Fresno Street
	INTERSECTION NOT TO BE ANALYZED		
43. M Street / Fresno Street	44. P Street / Fresno Street	45. R Street / Fresno Street	46. Fresno Street / Divisadero Street
47. Broadway Street / H Street / Fresno Street Ramp	48. E Street / Tuolumne Street	49. Broadway / Tuolumne Street	50. Van Ness Avenue / Tuolumne Street
51. O Street / Tuolumne Street	52. E Street / Stanislaus Street	53. Broadway Street / Stanislaus Street	54. Van Ness Avenue / Stanislaus Street
55. N. Blackstone Avenue / Stanislaus Street / O Street	56. N. Abby Street / Divisadero Street / P Street / Stanislaus Street	57. N. Blackstone Avenue / Divisadero Street	58. H Street / San Joaquin Street



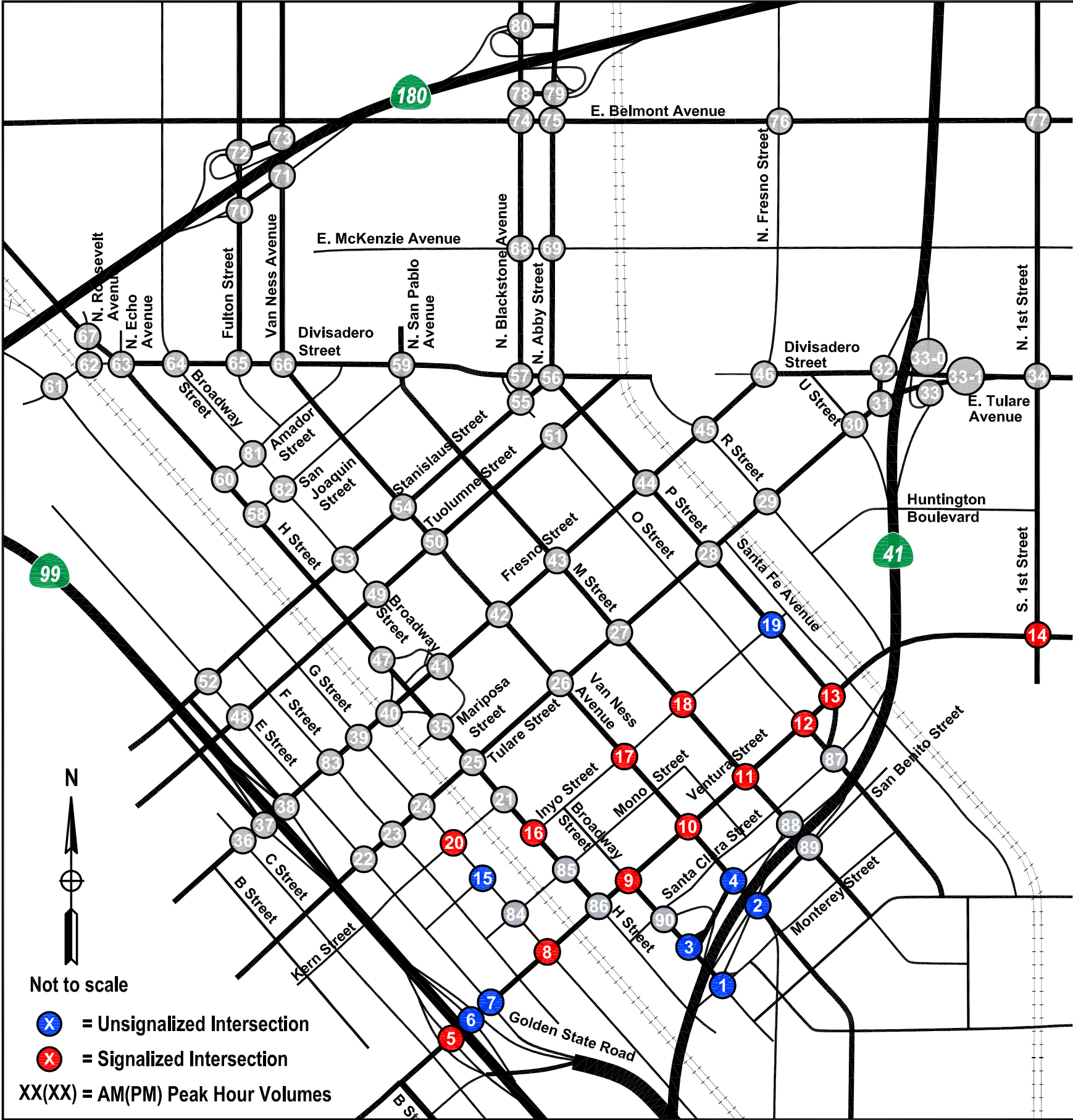


79. N. Abby Street / CA 180 EB Ramps	80. N. Blackstone Avenue / CA 180 WB Ramps	81. Broadway Street / Amador Street	82. Broadway Street / San Joaquin Street
83. F Street / Fresno Street	84. G Street / Mono Street	85. H Street / Mono Street	86. H Street / Ventura Street
87. O Street / Santa Clara Street - SR 41 SB Off-Ramp	88. M Street / SR 41 SB On-Ramp	89. M Street / San Benito Street - SR 41 NB On-Ramp	90. Broadway Street / Santa Clara Street - SR 41 SB Loop On-Ramp

Note:
* = Going to CA 180 WB On-Ramp

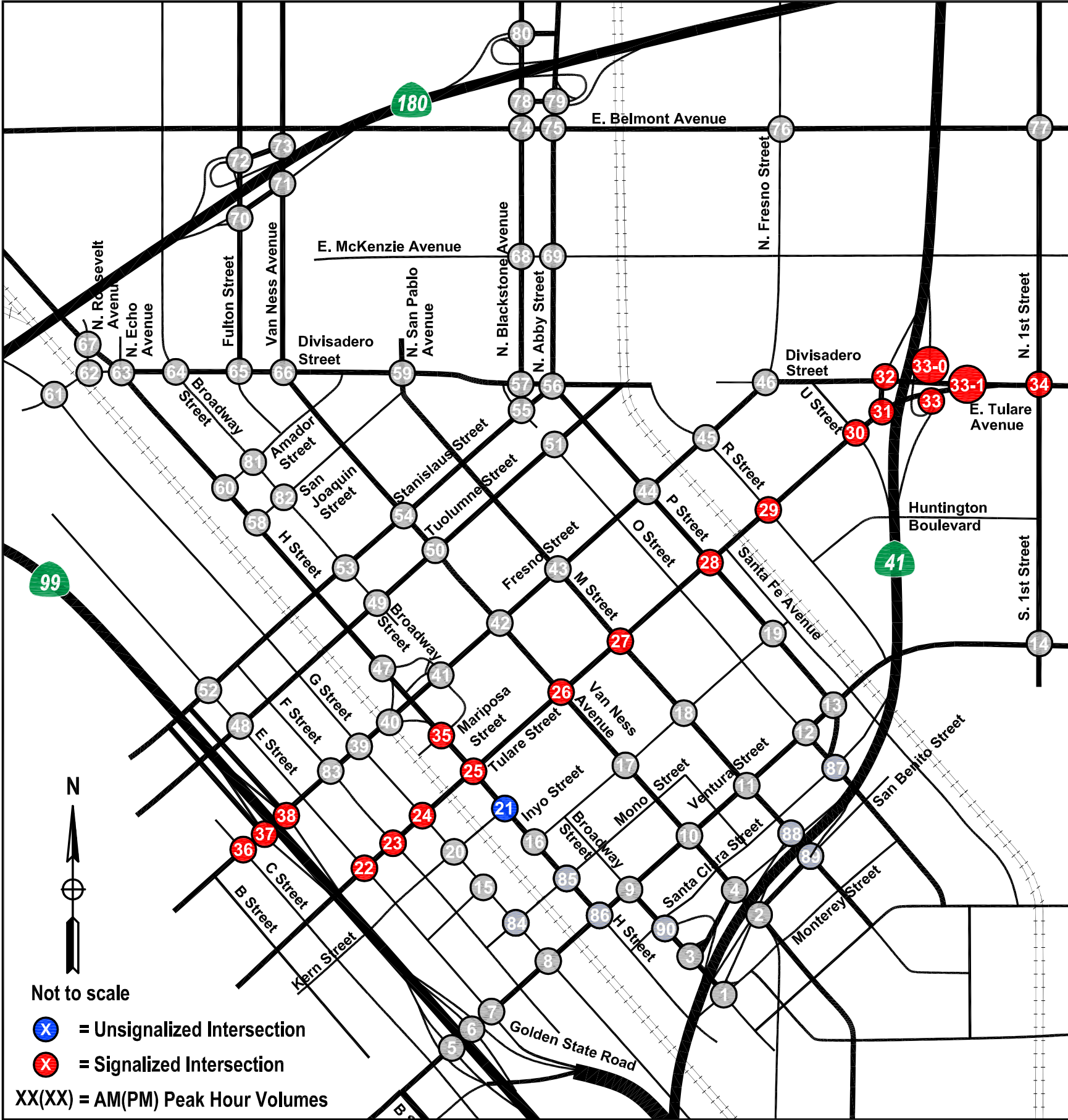


91. Van Ness Avenue / E. Hamilton Avenue	92. S. Van Ness Avenue / California Avenue	93. S. Railroad Avenue / E. Lorena Avenue	94. S. Railroad Avenue / S. Van Ness Avenue
95. S. Railroad Avenue / E. Florence Way	96. Golden State Boulevard / E. Church Avenue	97. S. Railroad Avenue / E. Church Avenue	98. S. East Avenue / E. Church Avenue
99. S. Sunland Avenue / E. Church Avenue	100. S. East Avenue / S. Railroad Avenue	101. S. East Avenue / Golden State Boulevard	102. Golden State Boulevard / E. Jensen Avenue
103. S. Orange Avenue / S. Railroad Avenue	104. S. Orange Avenue / Golden State Boulevard		



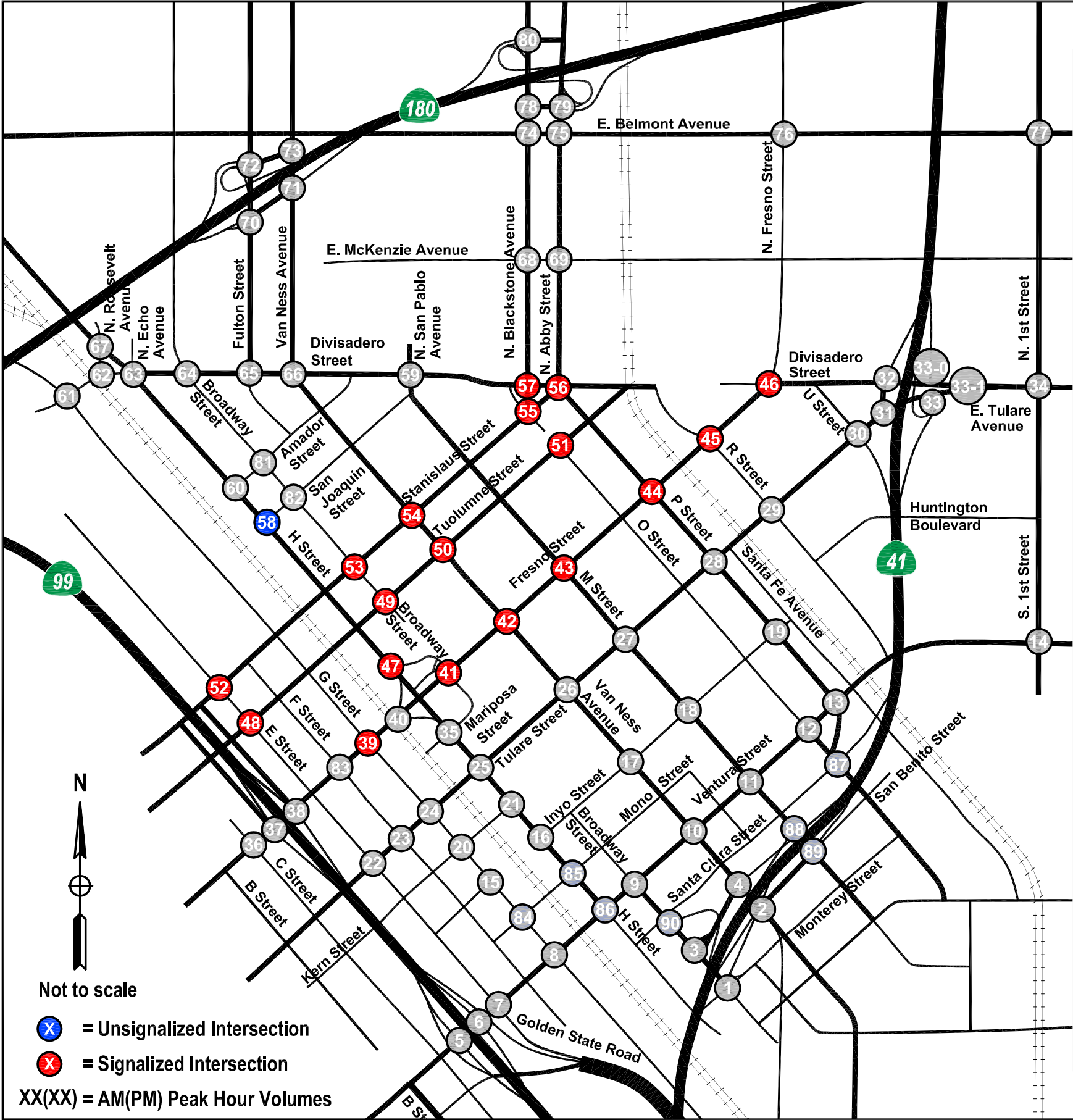
1. Broadway Street / SR 41 NB On-Ramp / Monterey Street	2. Van Ness Avenue / SR 41 NB Off-Ramp / San Benito Street	3. Broadway Street / SR 41 SB Off-Ramp	4. Van Ness Avenue / SR 41 SB Off-Ramp
5. SR 99 SB Ramps / Ventura Avenue	6. SR 99 NB Ramps / Ventura Avenue	7. E Street / Ventura Avenue	8. G Street / Ventura Avenue
9. Broadway Street / Ventura Avenue	10. Van Ness Avenue / Ventura Street	11. M Street / Ventura Street	12. O Street / Ventura Avenue
13. P Street / Ventura Avenue	14. S. 1st Street / Ventura Avenue	15. G Street / Inyo Street	16. H Street / Inyo Street
17. Van Ness Street / Inyo Street	18. M Street / Inyo Street	19. P Street / Inyo Street	20. G Street / Kern Street

Note:
*XX(X) Volume going to SR 41 NB On-Ramp

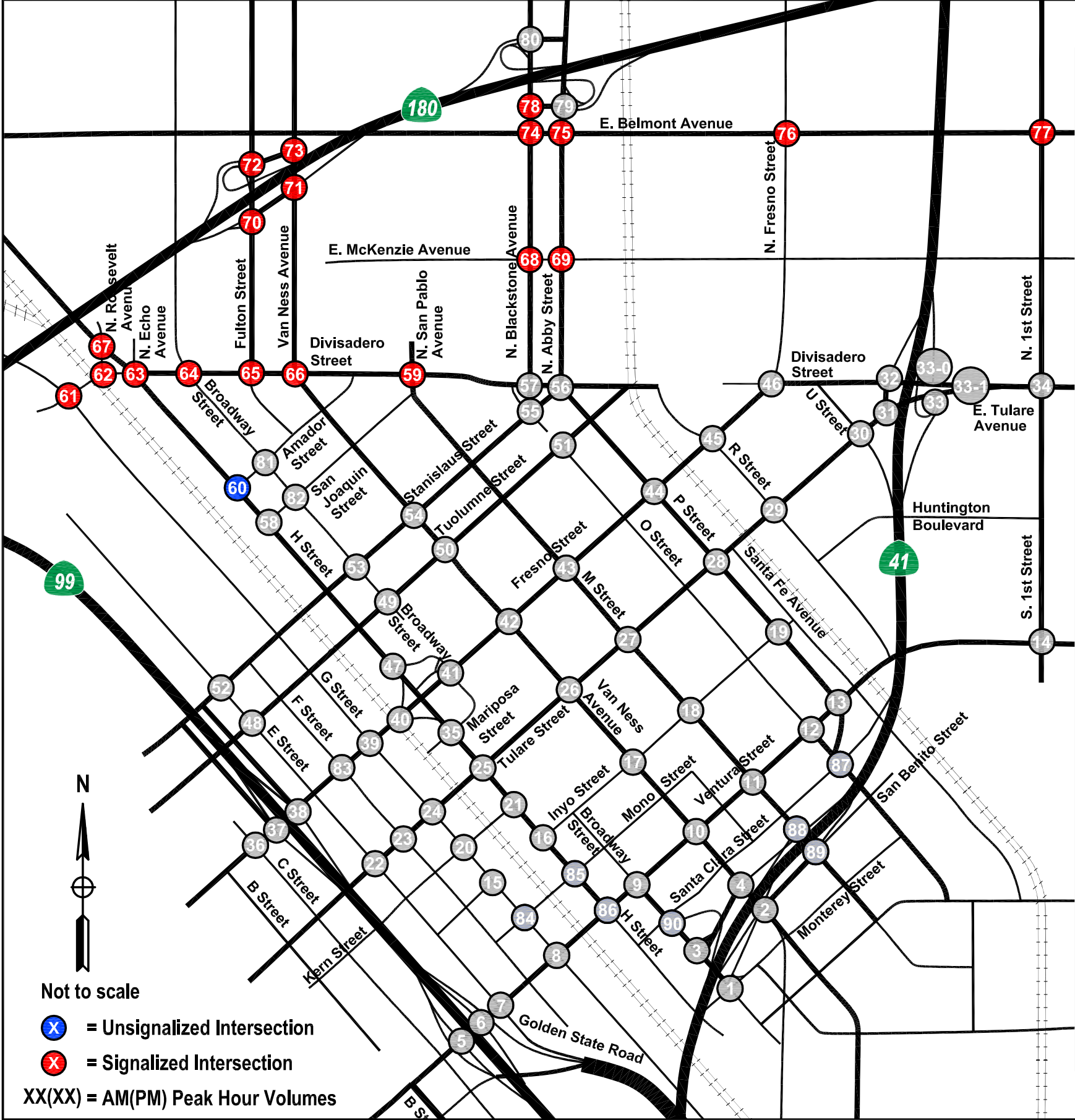


21. H Street / Kern Street	22. E Street / Tulare Street	23. F Street / Tulare Street	24. G Street / Tulare Street
25. H Street / Tulare Street	26. Van Ness Avenue / Tulare Street	27. M Street / Tulare Street	28. P Street / Tulare Street
29. R Street / Tulare Street	30. U Street / Tulare Street	31. Divisadero Street Off-Ramp / Tulare Street	32. SR 41 SB Off-Ramp / Divisadero Street
33. SR 41 NB Ramps / Tulare Street	33-0. SR 41 NB On-Ramp / E. Divisadero Street	33-1. E. Divisadero Street / E. Tulare Street	34. N. 1st Street / Tulare Street
35. H Street / Mariposa Street / Fresno Street Ramps	36. C Street / Fresno Street	37. SR 99 SB Ramps / Fresno Street	38. SR 99 NB Ramps / Fresno Street

Note:
*XX(XX) Volume going to SR 41 NB On-Ramp

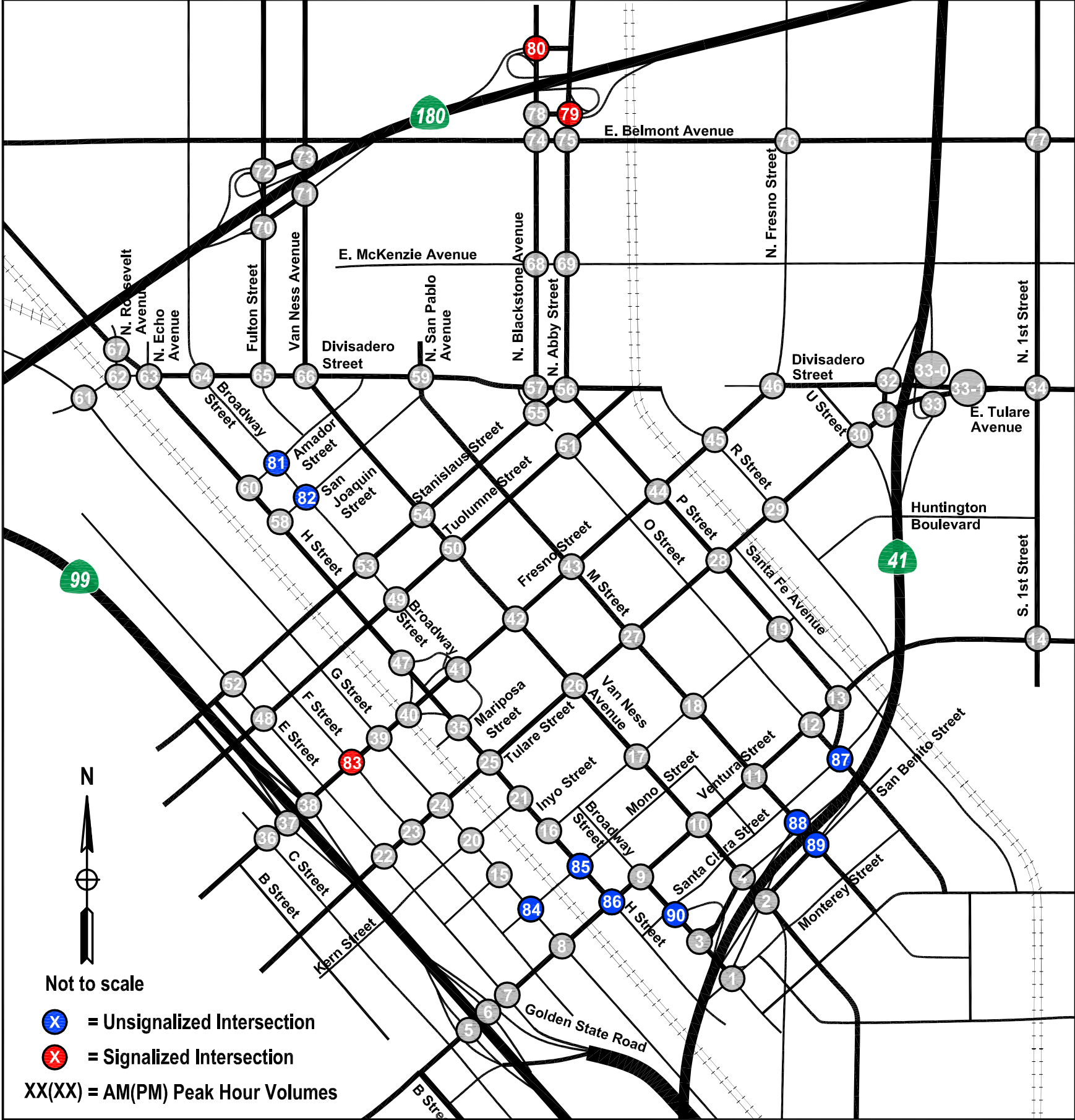


39. G Street / Fresno Street 	40. H Street / Fresno Street <div>INTERSECTION NOT TO BE ANALYZED</div>	41. Broadway Street / Fresno Street 	42. Van Ness Avenue / Fresno Street
43. M Street / Fresno Street 	44. P Street / Fresno Street 	45. R Street / Fresno Street 	46. Fresno Street / Divisadero Street
47. H Street / Broadway Street / Fresno Street Ramp 	48. E Street / Tuolumne Street 	49. Broadway / Tuolumne Street 	50. Van Ness Avenue / Tuolumne Street
51. O Street / Tuolumne Street 	52. E Street / Stanislaus Street 	53. Broadway Street / Stanislaus Street 	54. Van Ness Avenue / Stanislaus Street
55. N. Blackstone Avenue / Stanislaus Street / O Street 	56. N. Abby Street / Divisadero Street / P Street / Stanislaus Street 	57. N. Blackstone Avenue / Divisadero Street 	58. H Street / San Joaquin Street



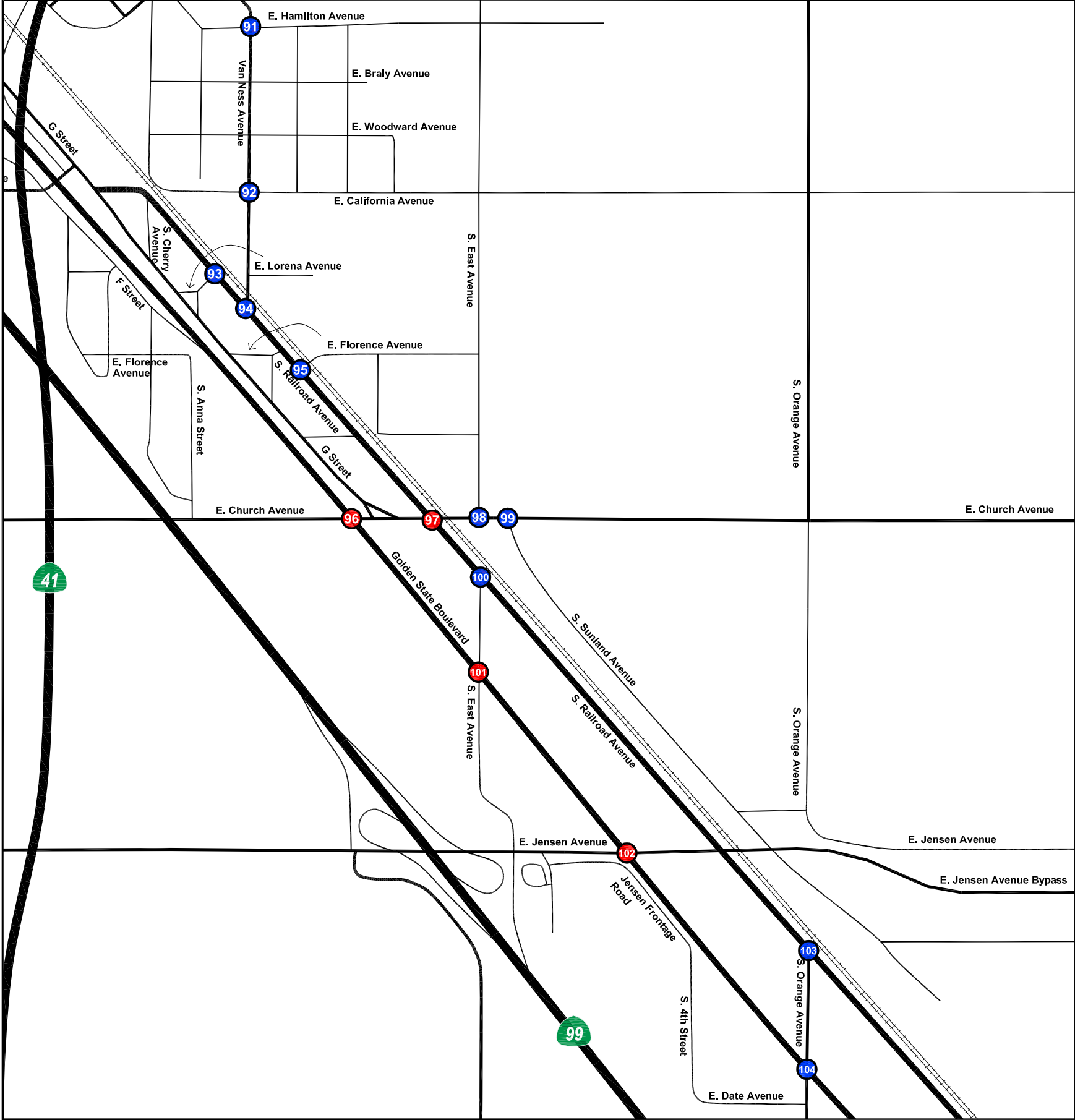
59. M Street / Divisadero Street / N. San Pablo Avenue 	60. H Street / Amador Street 	61. G Street / Divisadero Street 	62. N. Roosevelt Avenue / E. Divisadero Avenue
63. H Street / Divisadero Street / N. Echo Avenue 	64. Broadway Street / Divisadero Street 	65. Fulton Street / Divisadero Street 	66. Van Ness Avenue / Divisadero Street
67. H Street / Roosevelt Street 	68. N. Blackstone Avenue / E. McKenzie Avenue 	69. N. Abby Street / E. McKenzie Avenue 	70. Fulton Street / CA 180 EB Off-Ramp
71. Van Ness Avenue / CA 180 EB Ramps 	72. Fulton Street / CA 180 WB Ramps 	73. Van Ness Avenue / CA 180 WB Ramps 	74. N. Blackstone Avenue / E. Belmont Avenue
75. N. Abby Street / E. Belmont Avenue 	76. N. Fresno Street / E. Belmont Avenue 	77. N. 1st Street / E. Belmont Avenue 	78. N. Blackstone Avenue / CA 180 EB Ramps

Note:
 * = Volume going to CA 180 WB On-Ramp

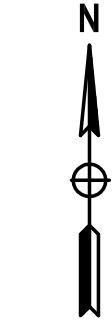


79. N. Abby Street / CA 180 EB Ramps 	80. N. Blackstone Avenue / CA 180 WB Ramps 	81. Broadway Street / Amador Street 	82. Broadway Street / San Joaquin Street
83. F Street / Fresno Street 	84. G Street / Mono Street 	85. H Street / Mono Street 	86. H Street / Ventura Street
87. O Street / Santa Clara Street - SR 41 SB Off-Ramp 	88. M Street / SR 41 SB On-Ramp 	89. M Street / San Benito Street - SR 41 NB On-Ramp 	90. Broadway Street / Santa Clara Street - SR 41 SB Loop On-Ramp

Note:
 * = Volume going to CA 180 WB On-Ramp



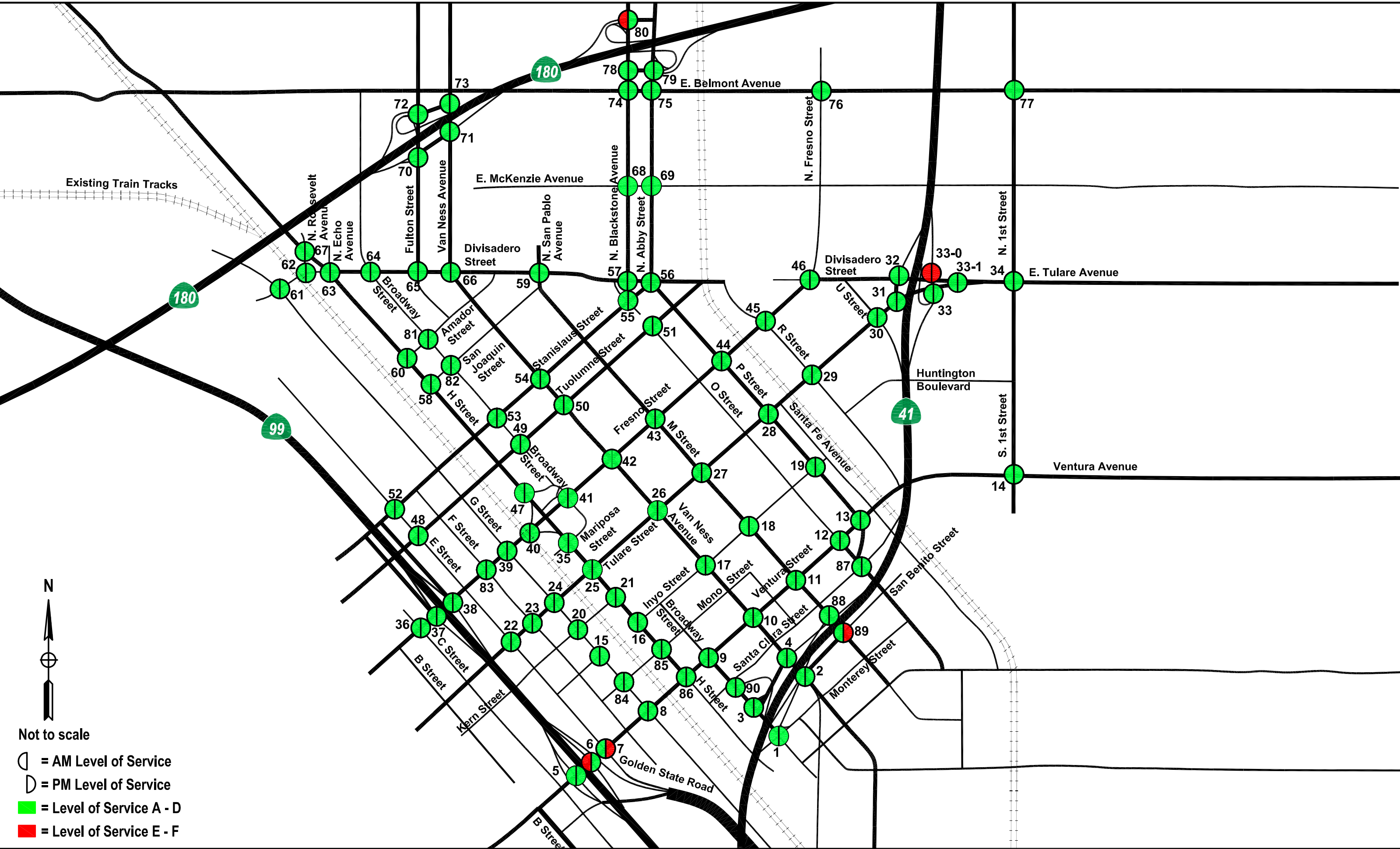
91. Van Ness Avenue / E. Hamilton Avenue	92. S. Van Ness Avenue / E. California Avenue	93. S. Railroad Avenue / E. Lorena Avenue	94. S. Railroad Avenue / S. Van Ness Avenue
95. S. Railroad Avenue / E. Florence Way	96. Golden State Boulevard / E. Church Avenue	97. S. Railroad Avenue / E. Church Avenue	98. S. East Avenue / E. Church Avenue
99. S. Sunland Avenue / E. Church Avenue	100. S. East Avenue / S. Railroad Avenue	101. S. East Avenue / Golden State Boulevard	102. Golden State Boulevard / E. Jensen Avenue
103. S. Orange Avenue / S. Railroad Avenue	104. S. Orange Avenue / Golden State Boulevard		

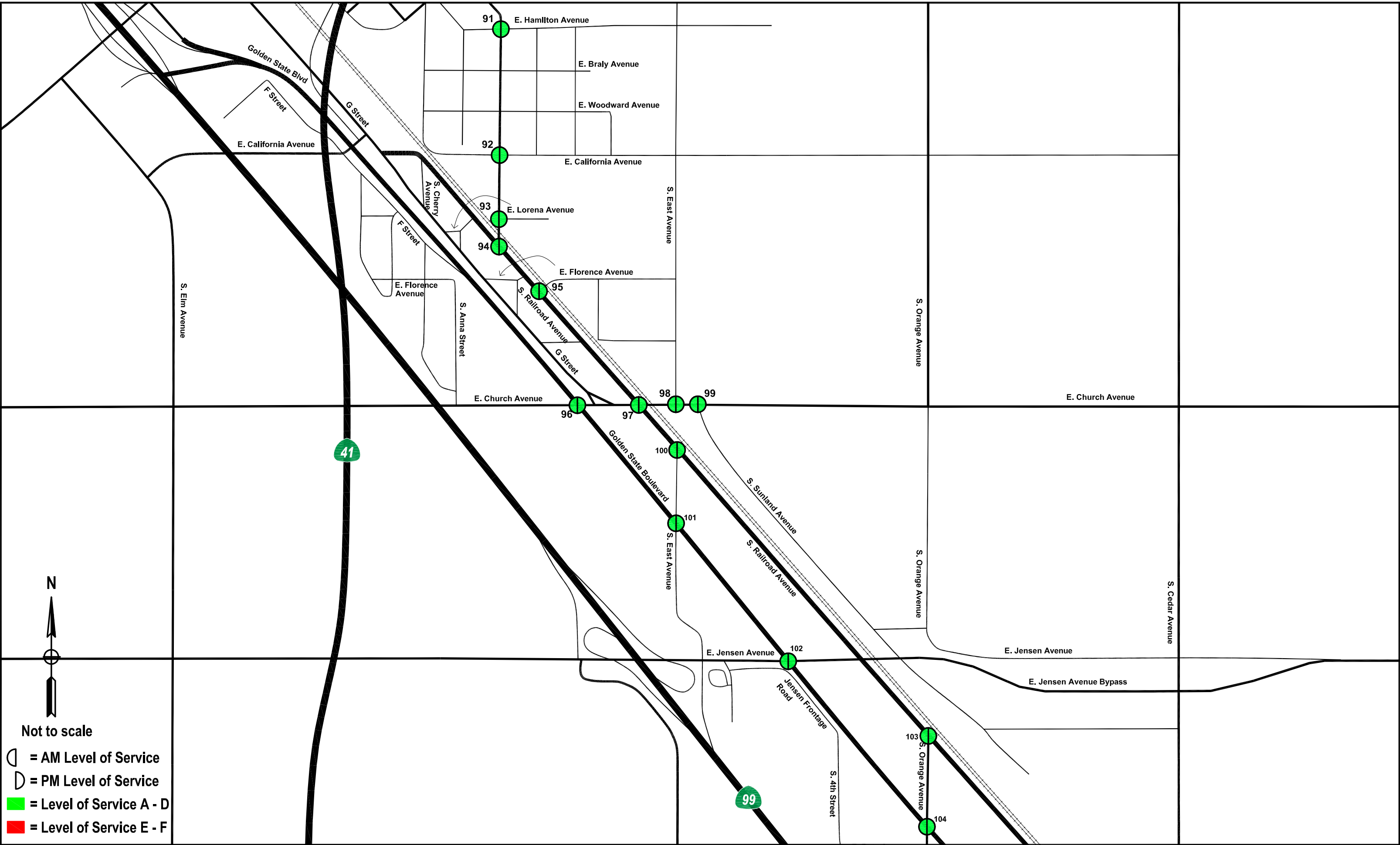


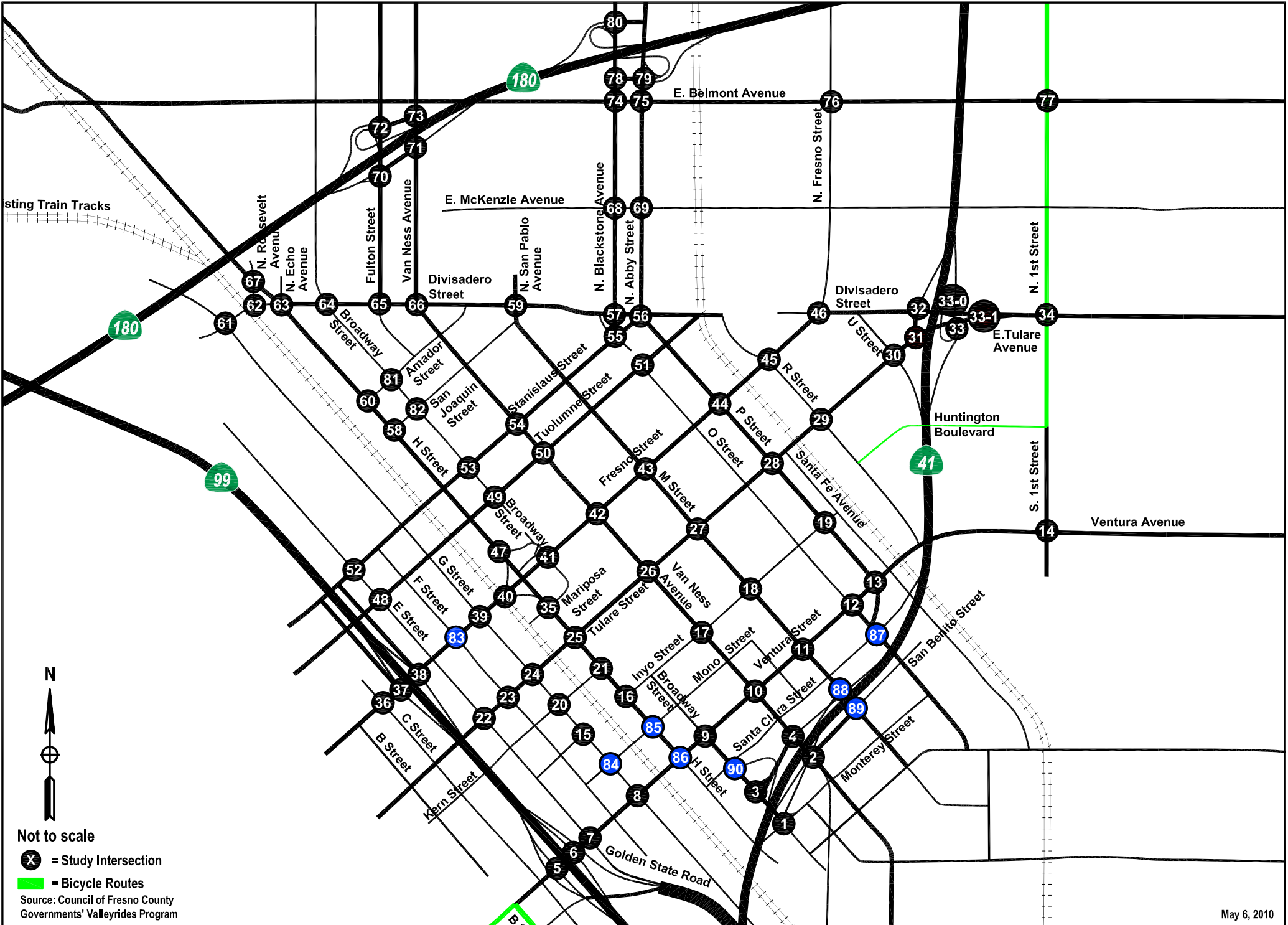
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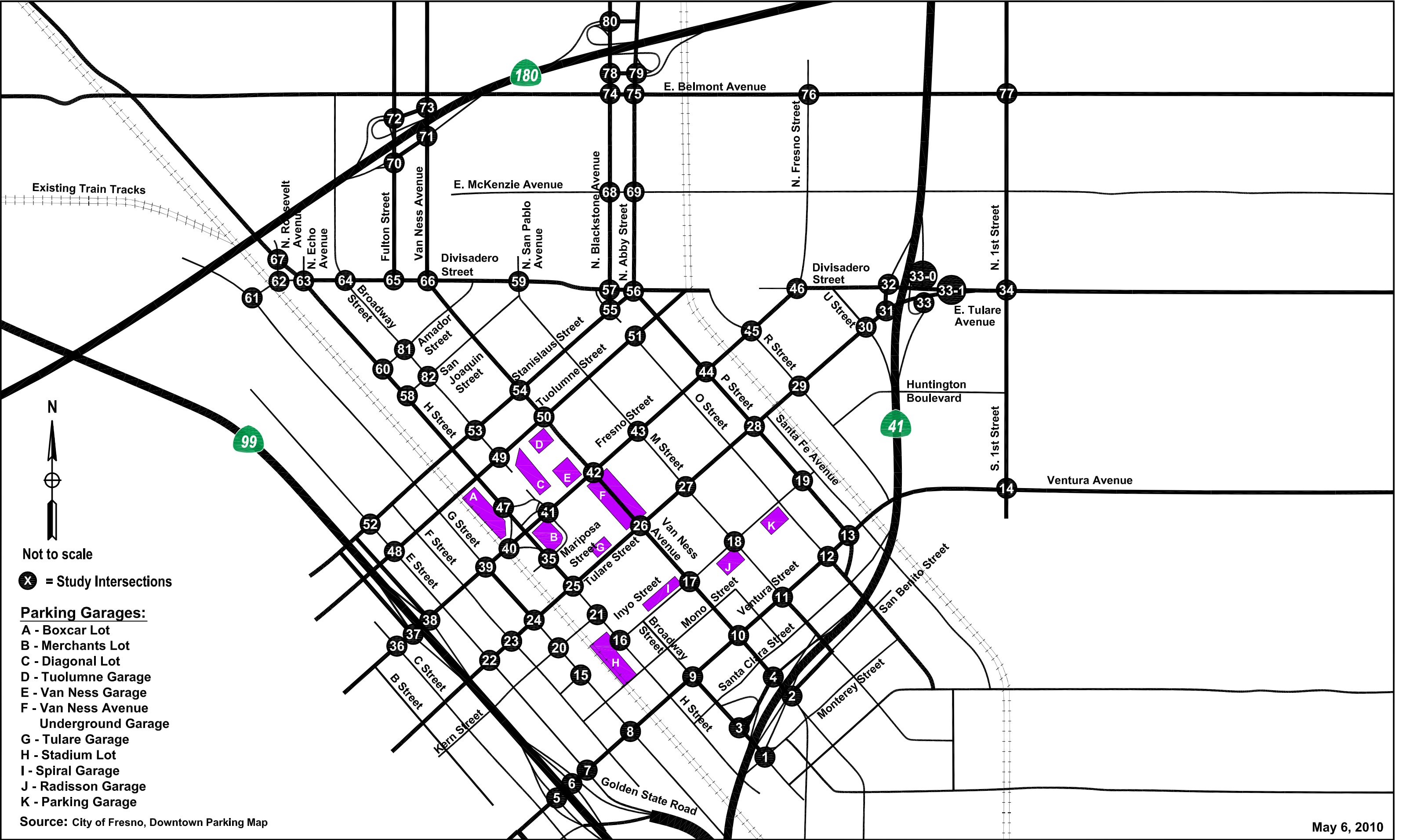
- X = Signalized Intersection
- X = Unsignalized Intersection

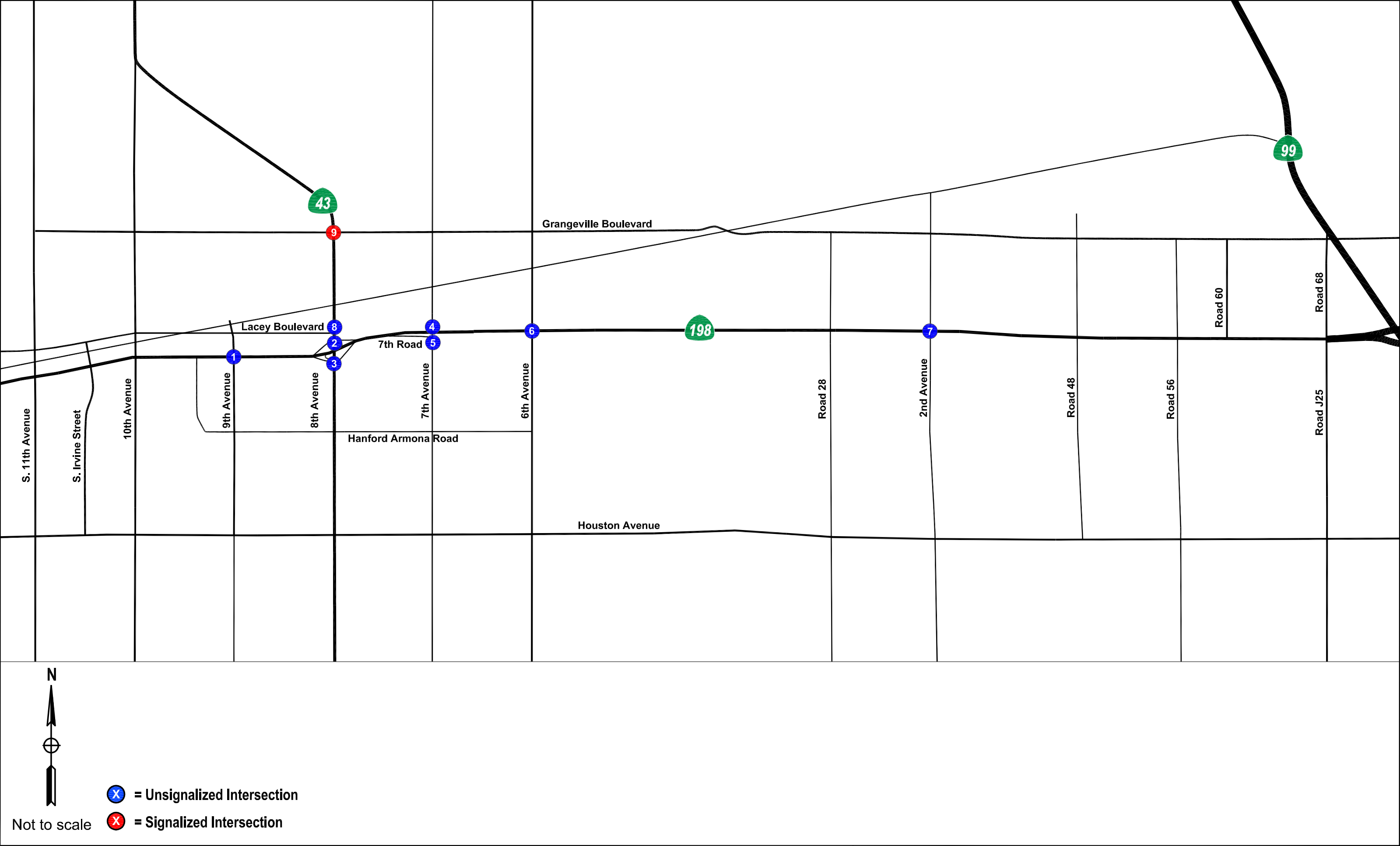
XX(X) = AM(PM) Peak Hour Volumes

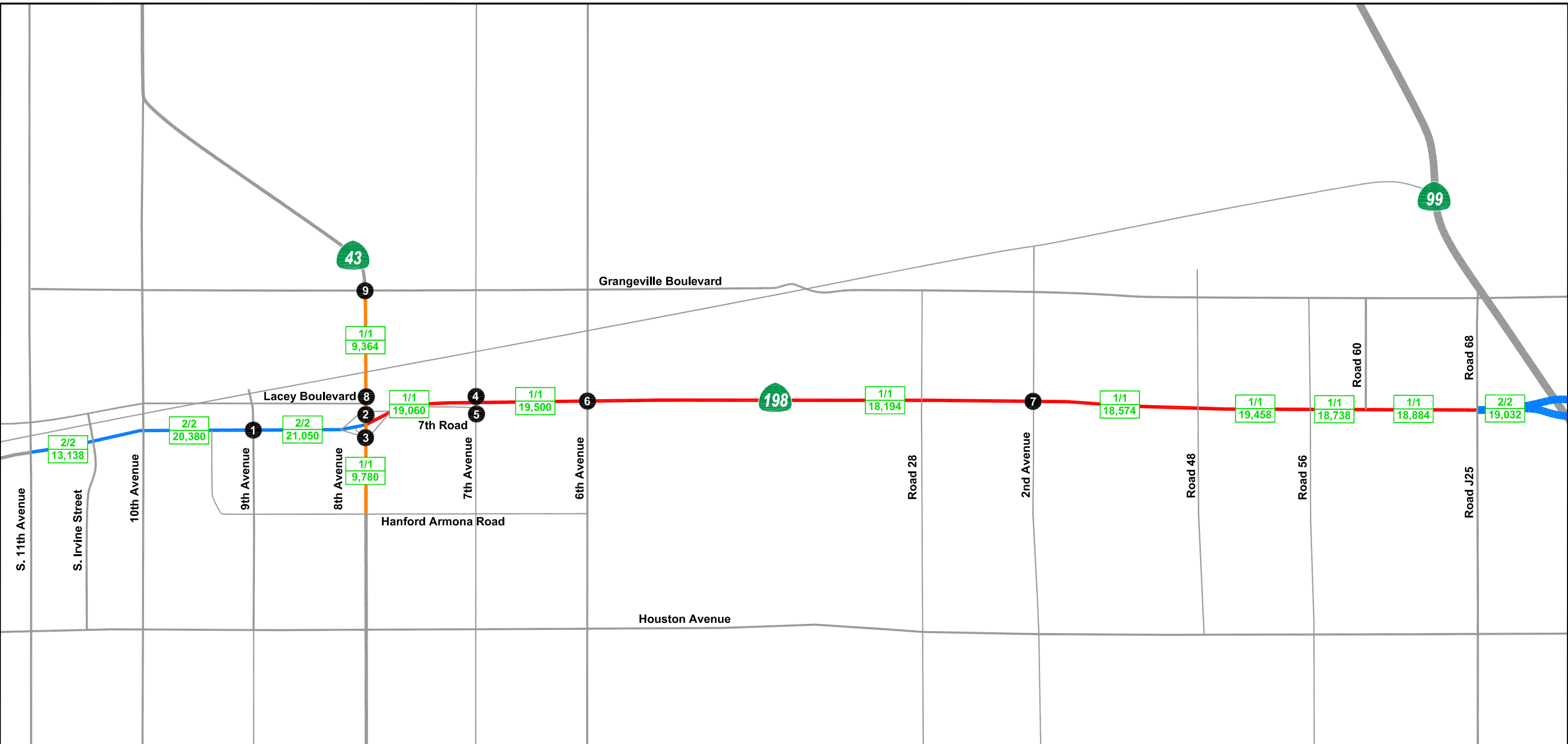












N

Not to scale

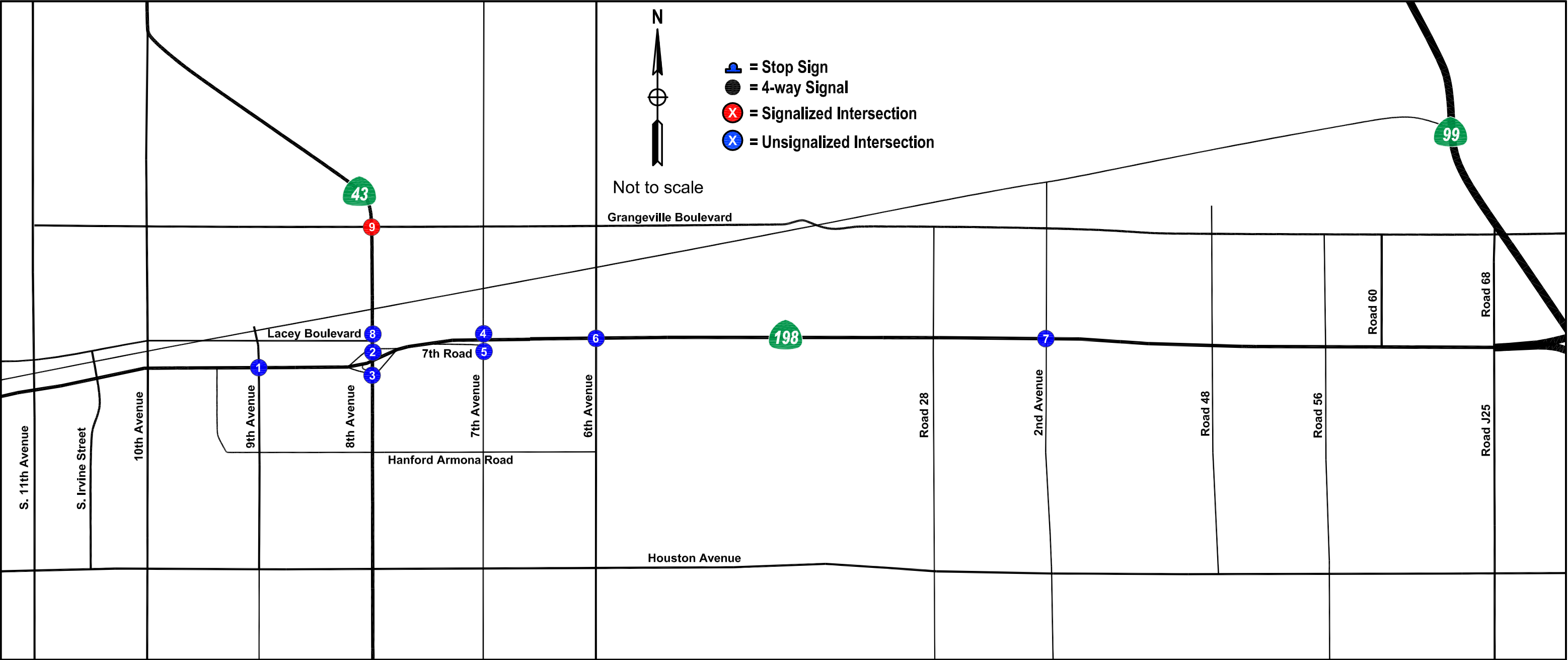
No. of lanes
NB/SB or EB/WB
ADT

= Posted Speed Limit 65 MPH

= Posted Speed Limit 55 MPH

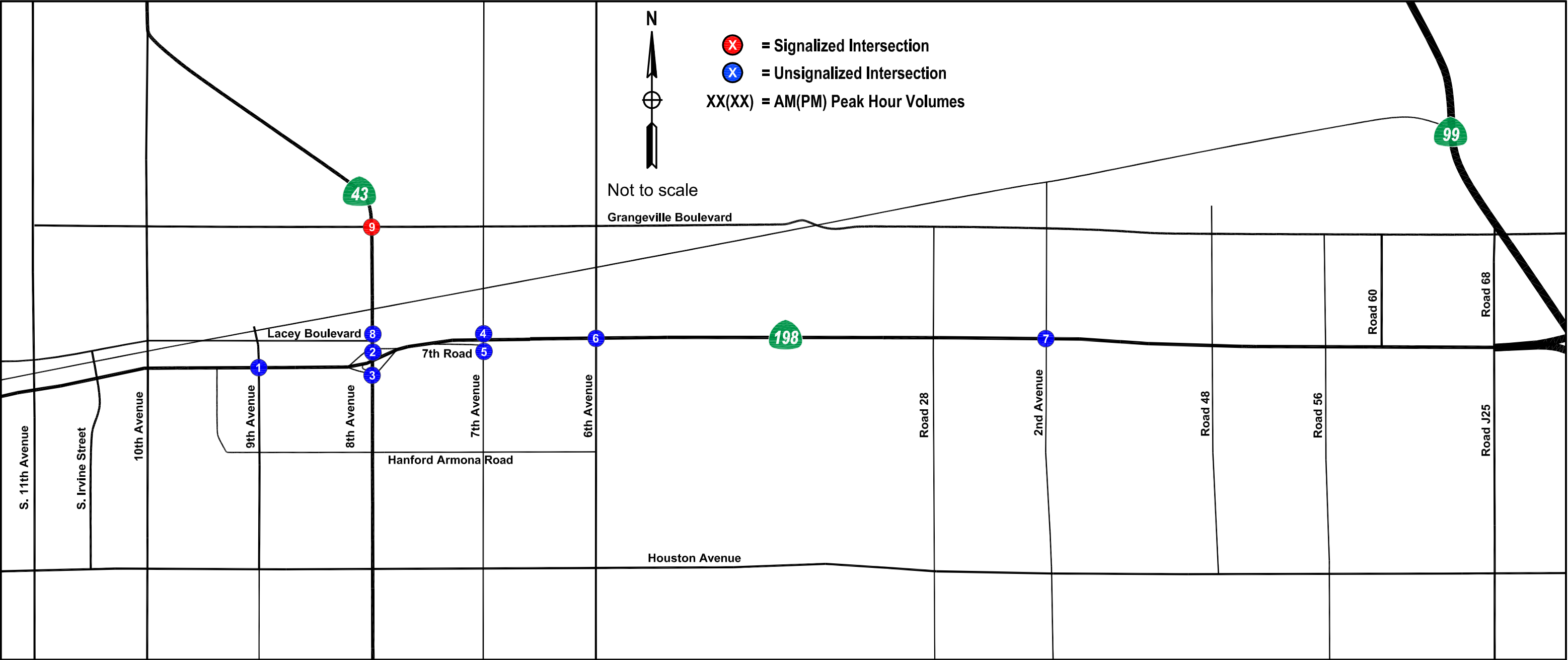
= Posted Speed Limit 50 MPH

= Study Intersections

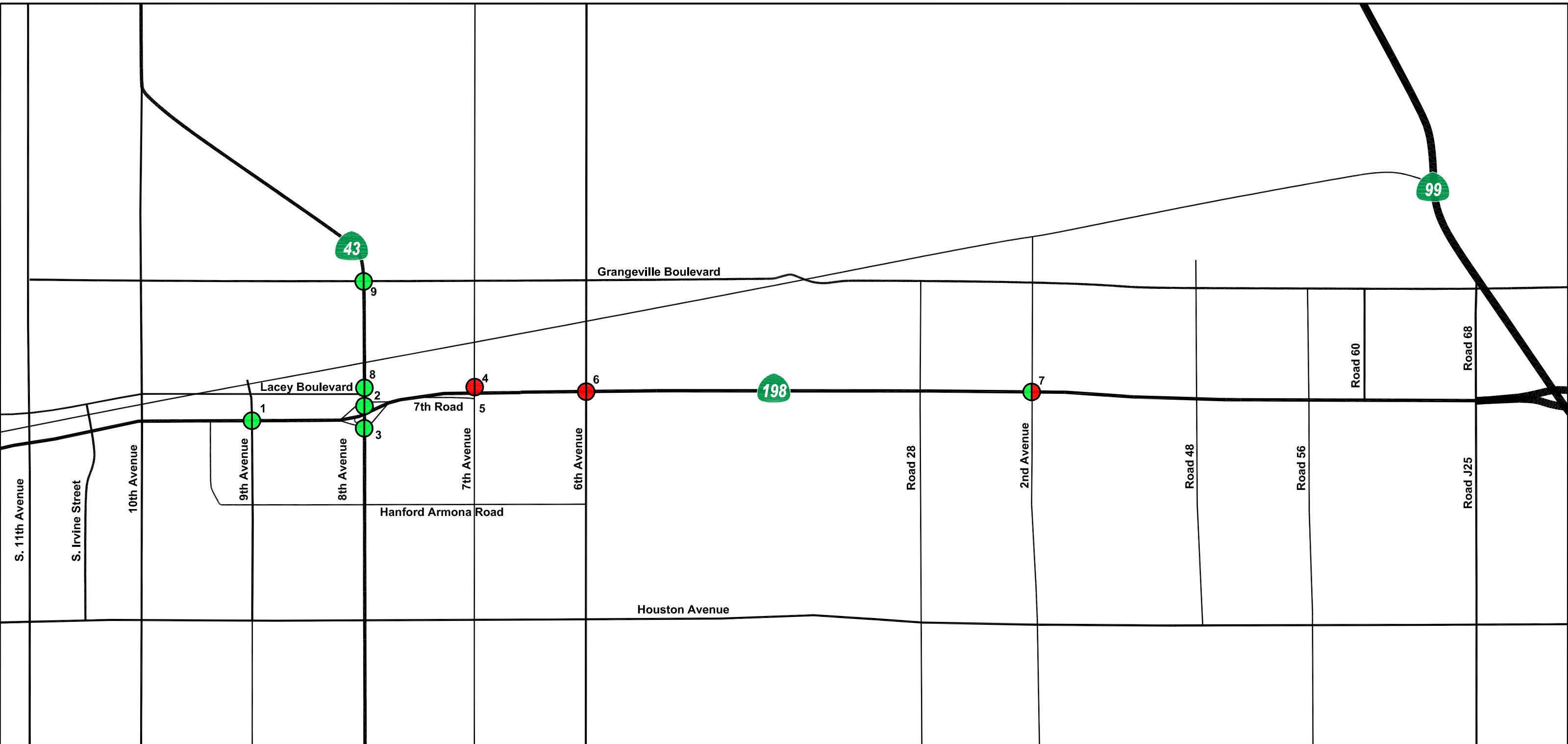


1. 9th Avenue / SR 198	2. 8th Avenue / SR 198 WB Ramps	3. 8th Avenue / SR 198 EB Ramps	4. 7th Avenue / SR-198	5. 7th Avenue / 7th Road	6. 6th Avenue / SR 198	7. 2nd Avenue / SR 198	8. SR 43 / Lacey Boulevard	9. SR 43 / Grangeville Boulevard

Note:
* = Road Closed



1. 9th Avenue / SR 198	2. 8th Avenue / SR 198 WB Ramps	3. 8th Avenue / SR 198 EB Ramps	4. 7th Avenue / SR 198	5. 7th Avenue / 7th Road	6. 6th Avenue / SR 198	7. 2nd Avenue / SR 198	8. SR 43 / Lacey Boulevard	9. SR 43 / Grangeville Boulevard
				INTERSECTION NOT TO BE ANALYZED				



N

= AM Level of Service

= PM Level of Service

= Level of Service A - D

= Level of Service E - F

Not to scale





1. S. Union Avenue / SR 58 EB Ramps	2. Mt. Vernon Avenue / SR 58 EB Ramps	3. Wible Road / Oak Street / Brundage Lane/Stockdale Highway	4. Chester Avenue / Brundage Ln
5. P Street / Brundage Lane	6. Union Avenue / E. Brundage Lane	7. Liggett Street / E. Brundage Lane	8. Mt. Vernon Avenue / E. Brundage Lane
9. Chester Avenue / 4th Street	10. P Street / 4th Street	11. Union Avenue / 4th Street	12. Chester Avenue / 8th Street
13. P Street / 8th Street	14. Real Road / California Avenue / SR 99 SB Ramps	15. SR 99 NB Ramps / California Avenue	16. Oak Street / California Avenue
17. A Street / California Avenue / Campus Way	18. Oleander Avenue / California Avenue	19. H Street / California Avenue	20. Chester Avenue / California Avenue

Note:
* = Going to SR 99 SB On-Ramp



21. N Street / California Avenue	22. P Street / California Avenue	23. Union Avenue / California Avenue	24. King Street / California Avenue
25. Owens Street / California Avenue	26. Dr Martin Luther King Jr Blvd / Haley Street / California Avenue	27. Mt. Vernon Avenue / California Avenue	28. Q Street / 14th Street
29. Union Avenue / Hayden Court / Sonora Street	30. Oak Street / Truxtun Avenue	31. F Street / Truxtun Avenue	32. H Street / Truxtun Avenue
33. Chester Avenue / Truxtun Avenue	34. L Street / Truxtun Avenue	35. N Street / Truxtun Avenue	36. Q Street / Truxtun Avenue
37. E. Truxtun Avenue / Beale Avenue / E. 19th Street	38. Q Street / 19th Street	39. F Street / 21st Street	40. Q Street / 21st Street



41. Union Avenue / Golden State Avenue / 21st Street	42. F Street / 23rd Street	43. Chester Avenue / 23rd Street	44. Q Street / 23rd Street
45. SR 178 / SR 99 SB Ramps	46. SR 178 / SR 99 NB Off-Ramp / Buck Owens Blvd	47. Oak Street / SR 178	48. F Street / 24th Street
49. Chester Avenue / 24th Street	50. Beale Avenue / Monterey Street	51. Q Street / Golden State Avenue	52. Union Avenue / Espee Street
53. Beale Avenue / Niles Street	54. Williams Street / Niles Street	55. Mt Vernon Avenue / Niles Street	56. M Street / 28th Street / Golden State Avenue
57. Union Avenue / W. Niles Street	58. F Street / 30th Street	59. Beale Avenue / Flower Street	60. F Street / Golden State Avenue



- ⏹ = Stop Sign
▲ = Yield Sign
● = 4-way Signal
○ = Roundabout
ⓧ = Signalized Intersection
ⓧ = Unsignalized Intersection

Not to scale

61. Beale Avenue / Jefferson Street	62. Chester Avenue / 34th Street	63. Union Avenue / 34th Street / Bernard Street	64. Chester Avenue / W. Columbus Street
65. Union Avenue / Columbus Street	66. Chester Avenue / 30th Street / SR 99 Ramps	67. L Street / California Avenue	



= Signalized Intersection
 = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes

Note:
*XX(XX) Volume going to SR 58 EB On-Ramp
**XX(XX) Volume going to SR 99 SB On-Ramp
***XX(XX) Volume going to SR 99 NB On-Ramp

1. S. Union Avenue / SR 58 EB Ramps	2. Mt. Vernon Avenue / SR 58 EB Ramps	3. Wible Road / Oak Street / Brundage Lane/Stockdale Highway	4. Chester Avenue / Brundage Lane
5. P Street / Brundage Lane	6. Union Avenue / E. Brundage Lane	7. Liggett Street / E. Brundage Lane	8. Mt. Vernon Avenue / E. Brundage Lane
9. Chester Avenue / 4th Street	10. P Street / 4th Street	11. Union Avenue / 4th Street	12. Chester Avenue / 8th Street
13. P Street / 8th Street	14. Real Road / California Avenue / SR 99 SB Ramps	15. SR 99 NB Ramps / California Avenue	16. Oak Street / California Avenue
17. A Street / California Avenue / Campus Way	18. Oleander Avenue / California Avenue	19. H Street / California Avenue	20. Chester Avenue / California Avenue



= Signalized Intersection
 = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes

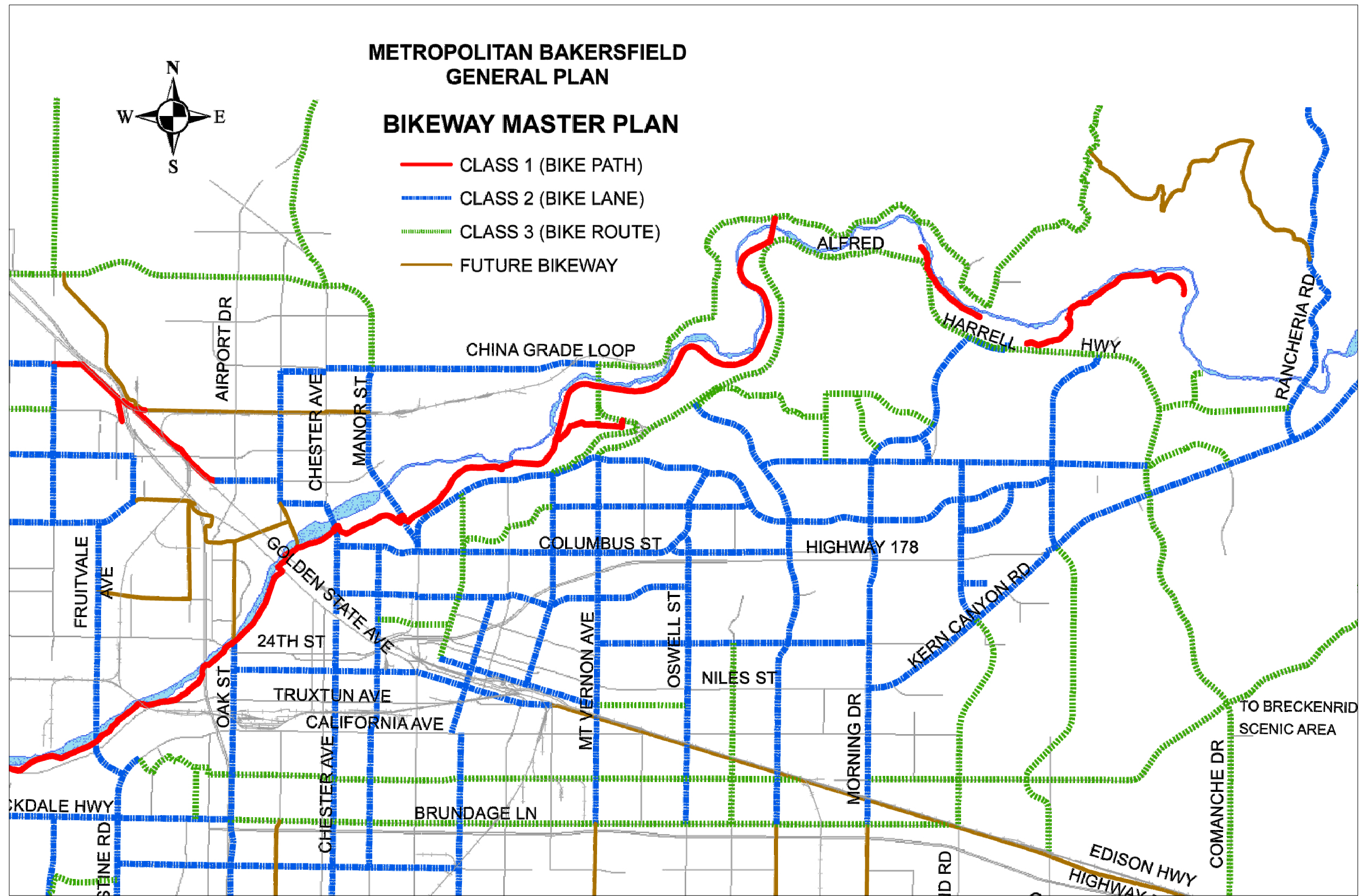
21. N Street / California Avenue 	22. P Street / California Avenue 	23. Union Avenue / California Avenue 	24. King Street / California Avenue
25. Owens Street / California Avenue 	26. Dr Martin Luther King Jr Blvd / Haley Street / California Avenue 	27. Mt. Vernon Avenue / California Avenue 	28. Q Street / 14th Street
29. Union Avenue / Hayden Court / Sonora Street 	30. Oak Street / Truxtun Avenue 	31. F Street / Truxtun Avenue 	32. H Street / Truxtun Avenue
33. Chester Avenue / Truxtun Avenue 	34. L Street / Truxtun Avenue 	35. N Street / Truxtun Avenue 	36. Q Street / Truxtun Avenue
37. E. Truxtun Avenue / Beale Avenue / E. 19th Street 	38. Q Street / 19th Street 	39. F Street / 21st Street 	40. Q Street / 21st Street



Note:
*XX(X) Volume going to Beale Ave
**XX(X) Volume going to Frontage Rd
***XX(X) Volume going to SR 99 SB On-Ramp

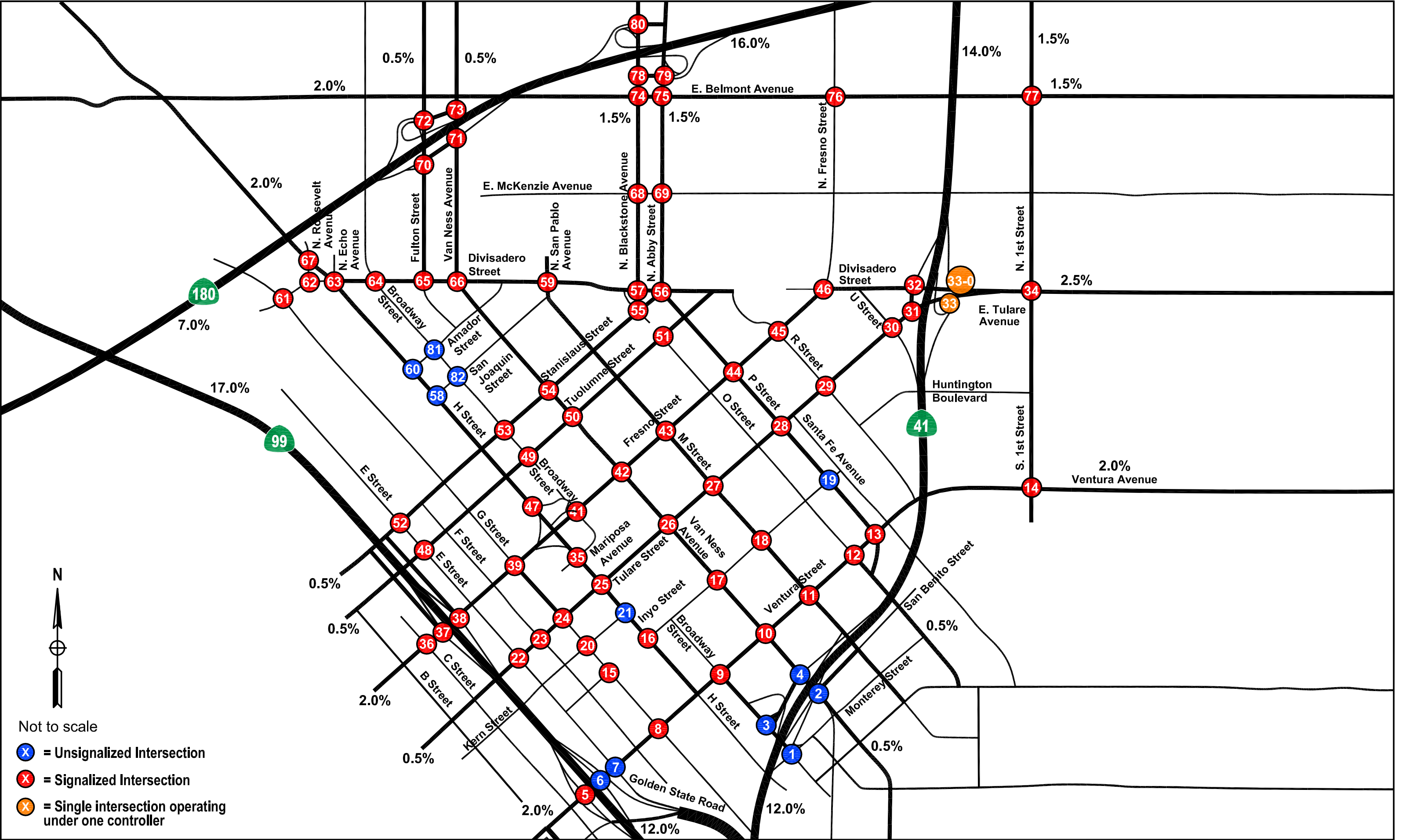
41. Union Avenue / Golden State Avenue / 21st Street	42. F Street / 23rd Street	43. Chester Avenue / 23rd Street	44. Q Street / 23rd Street
45. SR 178 / SR 99 SB Ramps	46. SR 178 / SR 99 NB Off-Ramp / Buck Owens Blvd	47. Oak Street / SR 178	48. F Street / 24th Street
49. Chester Avenue / 24th Street	50. Beale Avenue / Monterey Street	51. Q Street / Golden State Avenue	52. Union Avenue / Espee Street
53. Beale Avenue / Niles Street	54. Williams Street / Niles Street	55. Mt. Vernon Avenue / Niles Street	56. M Street / 28th Street / Golden State Avenue
57. Union Avenue / W. Niles Street	58. F Street / 30th Street	59. Beale Avenue / Flower Street	60. F Street / Golden State Avenue

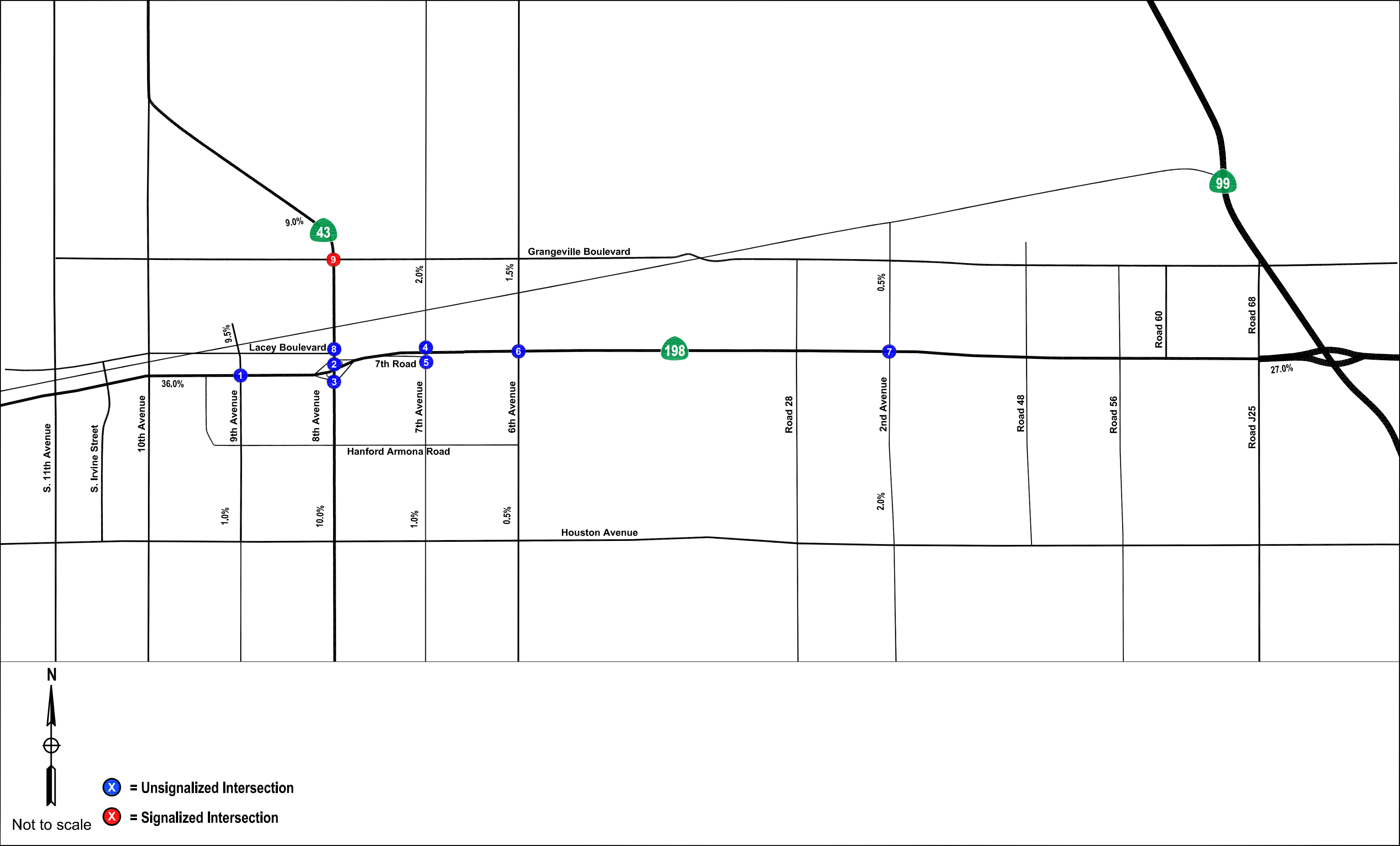




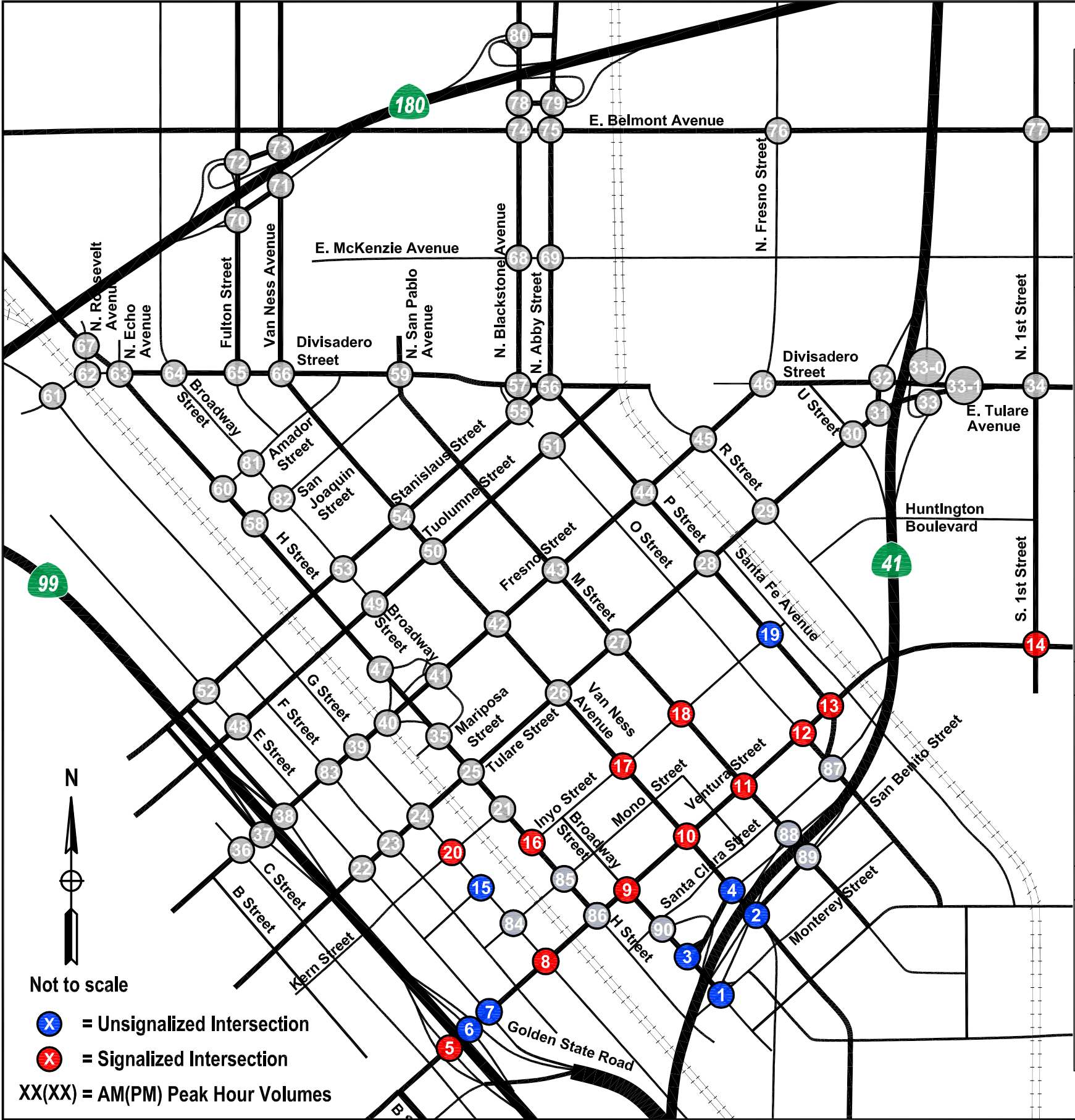
Source: Kern County, City of Bakersfield

May 6, 2010

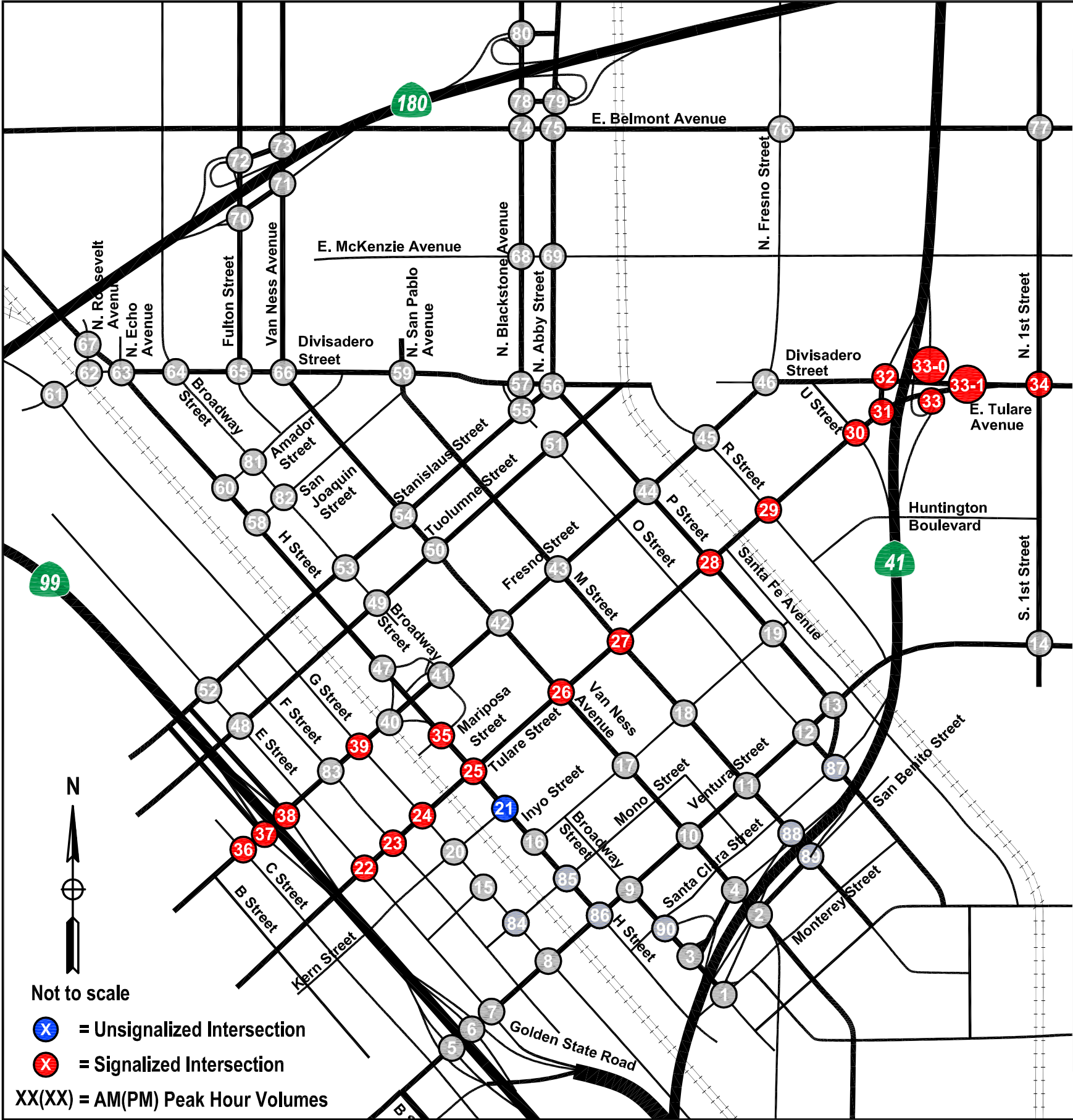






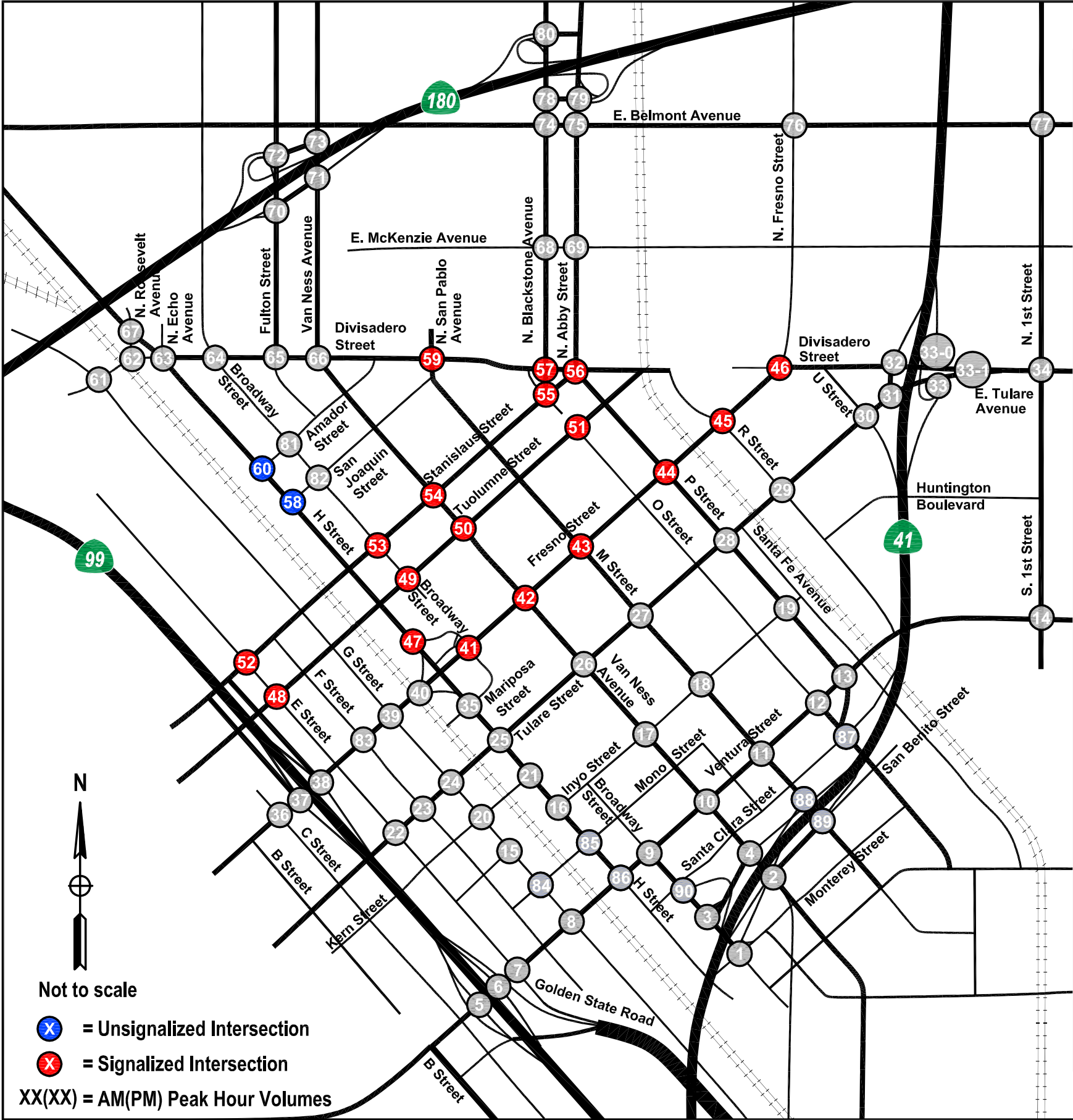


1. Broadway Street / SR 41 NB On-Ramp / Monterey Street	2. Van Ness Avenue / SR 41 NB Off-Ramp / San Benito Street	3. Broadway Street / SR 41 SB Off-Ramp	4. Van Ness Avenue / SR 41 SB Off-Ramp
5. SR 99 SB Ramps / Ventura Avenue	6. SR 99 NB Ramps / Ventura Avenue	7. E Street / Ventura Avenue	8. G Street / Ventura Avenue
9. Broadway Street / Ventura Avenue	10. Van Ness Avenue / Ventura Street	11. M Street / Ventura Street	12. O Street / Ventura Avenue
13. P Street / Ventura Avenue	14. S. 1st Street / Ventura Avenue	15. G Street / Inyo Street	16. H Street / Inyo Street
17. Van Ness Street / Inyo Street	18. M Street / Inyo Street	19. P Street / Inyo Street	20. G Street / Kern Street

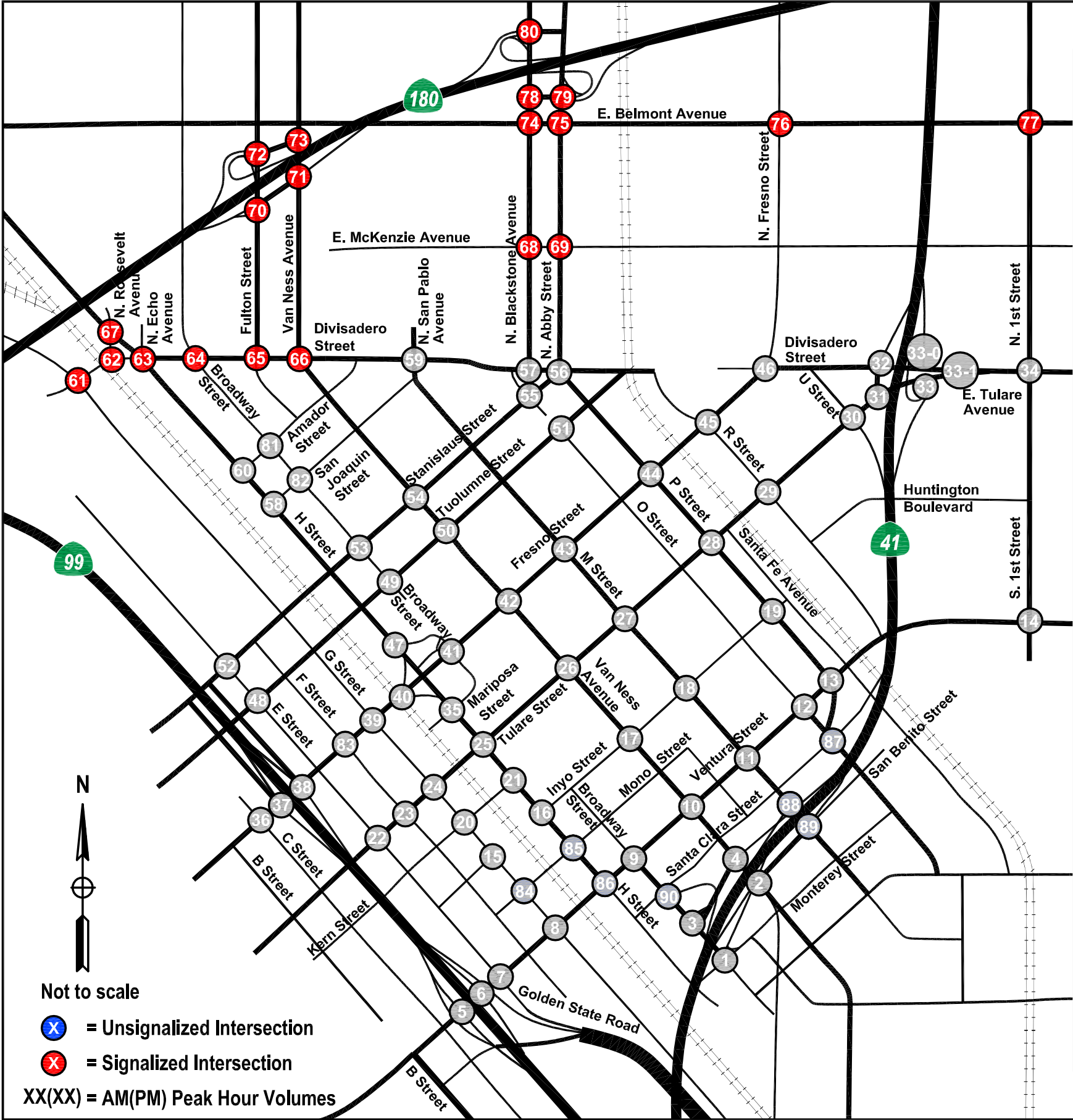


21. H Street / Kern Street	22. E Street / Tulare Street	23. F Street / Tulare Street	24. G Street / Tulare Street
25. H Street / Tulare Street	26. Van Ness Avenue / Tulare Street	27. M Street / Tulare Street	28. P Street / Tulare Street
29. R Street / Tulare Street	30. U Street / Tulare Street	31. Divisadero Street Off-Ramp / Tulare Street	32. SR 41 SB Off-Ramp / Divisadero Street
33. SR 41 NB Ramps / Tulare Street	33-0. SR 41 NB On-Ramp / E. Divisadero Street	34. N. 1st Street / Tulare Street	35. H Street / Mariposa Street / Fresno Street Ramp
36. C Street / Fresno Street	37. SR 99 SB Ramps / Fresno Street	38. SR 99 NB Ramps / Fresno Street	39. G Street / Fresno Street

Note:
*XX(XX) Volume going to SR 41 NB On-Ramp



41. Broadway Street / Fresno Street / H Street Ramp	42. Van Ness Avenue / Fresno Street	43. M Street / Fresno Street	44. P Street / Fresno Street
45. R Street / Fresno Street	46. Fresno Street / Divisadero Street	47. H Street / Broadway Street / Fresno Street Ramp	48. E Street / Tuolumne Street
49. Broadway / Tuolumne Street	50. Van Ness Avenue / Tuolumne Street	51. O Street / Tuolumne Street	52. E Street / Stanislaus Street
53. Broadway Street / Stanislaus Street	54. Van Ness Avenue / Stanislaus Street	55. N. Blackstone Avenue / Stanislaus Street / O Street	56. N. Abby Street / Divisadero Street / P Street / Stanislaus Street
57. N. Blackstone Avenue / Divisadero Street	58. H Street / San Joaquin Street	59. M Street / Divisadero Street / N. San Pablo Avenue	60. H Street / Amador Street

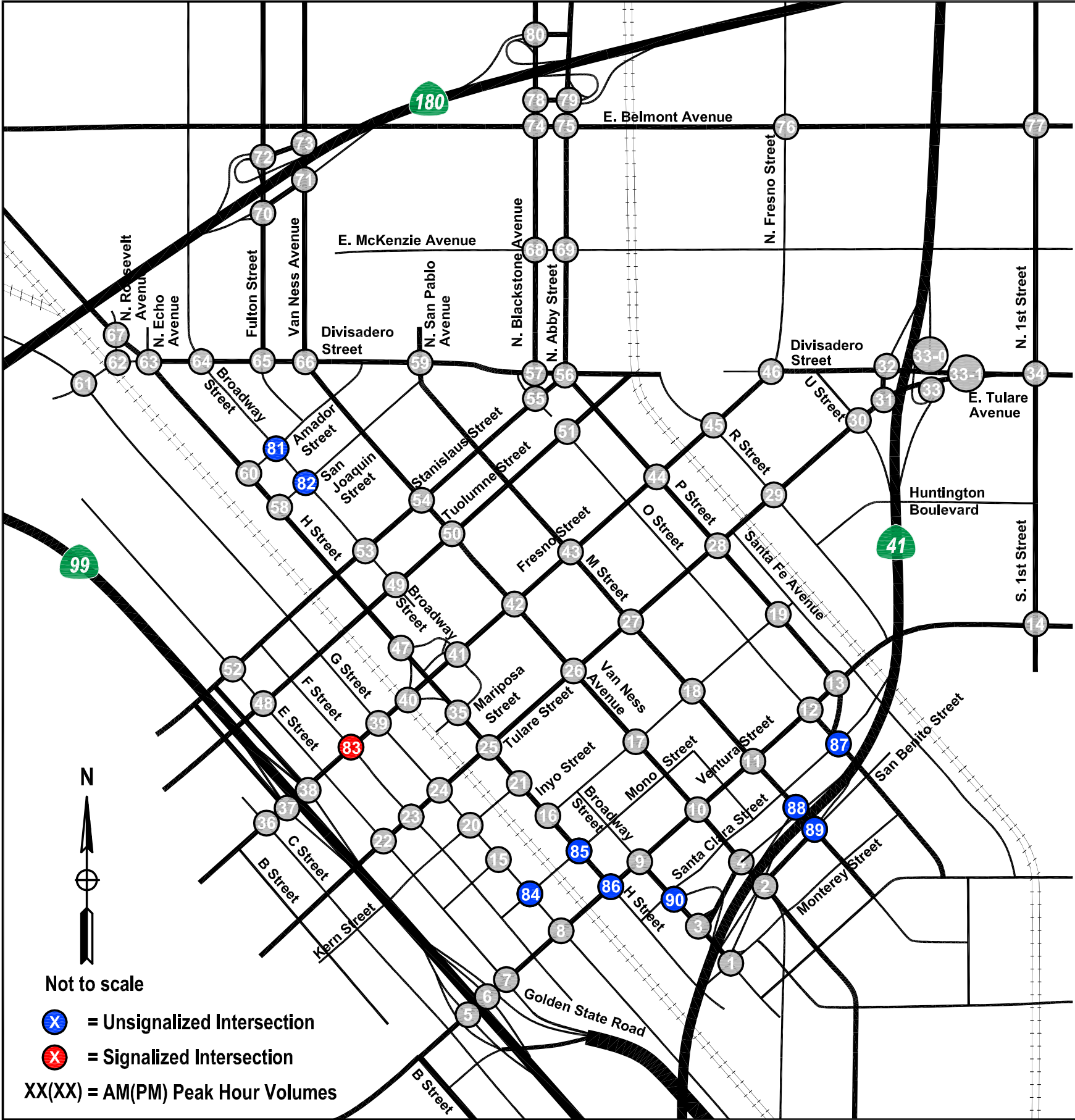


61. G Street / Divisadero Street 	62. N. Roosevelt Avenue / Divisadero Avenue 	63. H Street / Divisadero Street / N. Echo Avenue 	64. Broadway Street / Divisadero Street
65. Fulton Street / Divisadero Street 	66. Van Ness Avenue / Divisadero Street 	67. H Street / Roosevelt Street 	68. N. Blackstone Avenue / E. McKenzie Avenue
69. N. Abby Street / E. McKenzie Avenue 	70. Fulton Street / CA 180 EB Ramps 	71. Van Ness Avenue / CA 180 EB Ramps 	72. Fulton Street / CA 180 WB Ramps
73. Van Ness Avenue / CA 180 WB Ramps 	74. N. Blackstone Avenue / E. Belmont Avenue 	75. N. Abby Street / E. Belmont Avenue 	76. N. Fresno Street / E. Belmont Avenue
77. N. 1st Street / E. Belmont Avenue 	78. N. Blackstone Avenue / CA 180 EB Ramps 	79. N. Abby Street / CA 180 EB Ramps 	80. N. Blackstone Avenue / CA 180 WB Ramps

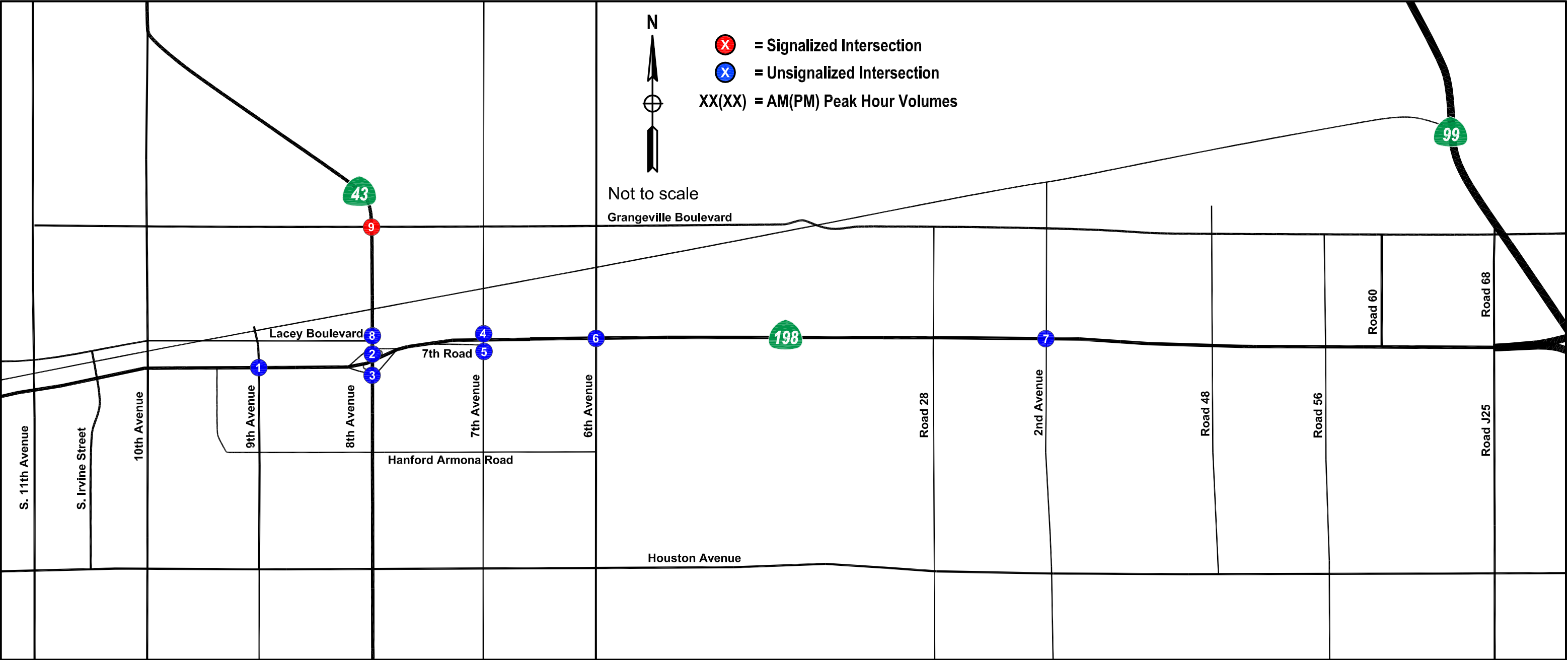
Note:
 *XX(X) = Volume going to CA 180 WB On-Ramp

Fresno Station - Project-only Trips for Study Intersections

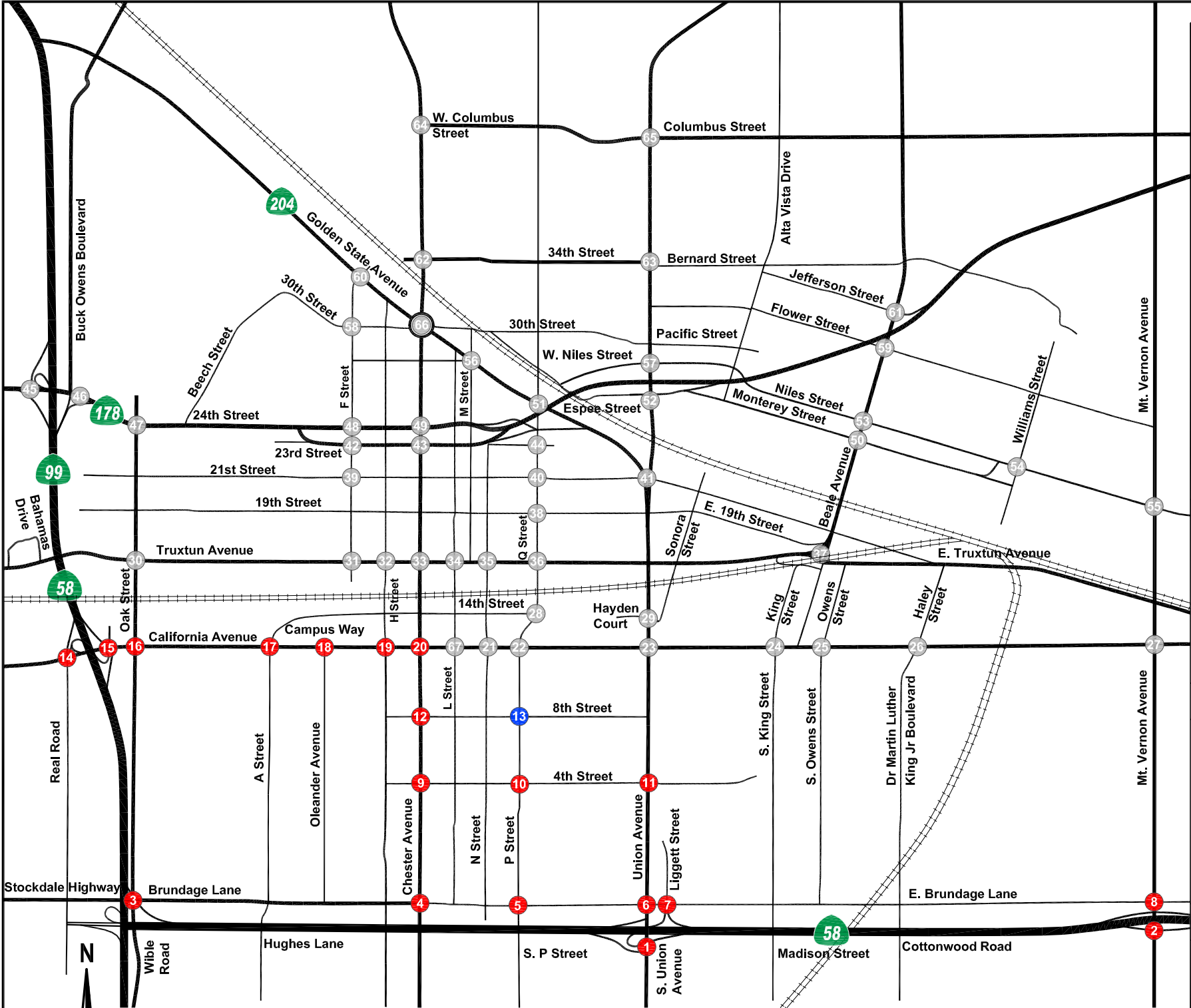
Figure 5.1-4d



81. Broadway Street / Amador Street 	82. Broadway Street / San Joaquin Street 	83. F Street / Fresno Street 	84. G Street / Mono Street
85. H Street / Mono Street 	86. H Street / Ventura Street 	87. O Street / Santa Clara Street - SR 41 SB Off-Ramp 	88. M Street / SR 41 SB On-Ramp
89. M Street / San Benito Street - SR 41 NB On-Ramp 	90. Broadway Street / Santa Clara Street - SR 41 SB Loop On-Ramp 		



1. 9th Avenue / SR 198	2. 8th Avenue / SR 198 WB Ramps	3. 8th Avenue / SR 198 EB Ramps	4. 7th Avenue / SR 198	5. 7th Avenue / 7th Road	6. 6th Avenue / SR 198	7. 2nd Avenue / SR 198	8. SR 43 / Lacey Boulevard	9. SR 43 / Grangeville Boulevard
				INTERSECTION NOT TO BE ANALYZED				



= Signalized Intersection
 = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes

Note:
*XX(XX) Volume going to SR 58 EB On-Ramp
**XX(XX) Volume going to SR 99 SB On-Ramp
***XX(XX) Volume going to SR 99 NB On-Ramp

1. S. Union Avenue / SR 58 EB Ramps	2. Mt. Vernon Avenue / SR 58 EB Ramps	3. Wible Road / Oak Street / Brundage Lane/Stockdale Highway	4. Chester Avenue / Brundage Lane
5. P Street / Brundage Lane	6. Union Avenue / E. Brundage Lane	7. Liggett Street / E. Brundage Lane	8. Mt. Vernon Avenue / E. Brundage Lane
9. Chester Avenue / 4th Street	10. P Street / 4th Street	11. Union Avenue / 4th Street	12. Chester Avenue / 8th Street
13. P Street / 8th Street	14. Real Road / California Avenue / SR 99 SB Ramps	15. SR 99 NB Ramps / California Avenue	16. Oak Street / California Avenue
17. A Street / California Avenue / Campus Way	18. Oleander Avenue / California Avenue	19. H Street / California Avenue	20. Chester Avenue / California Avenue

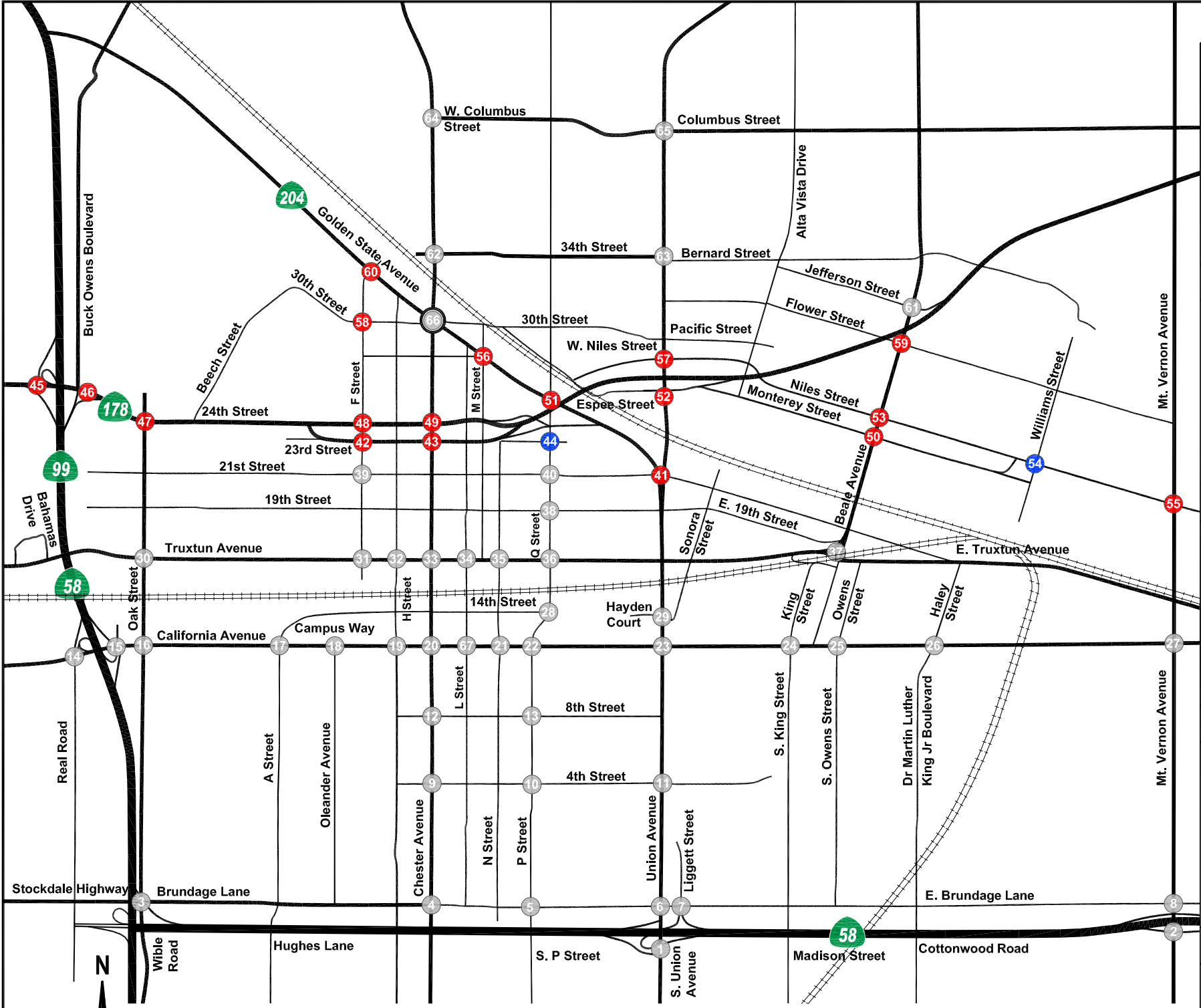


= Signalized Intersection

= Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes

21. N Street / California Avenue	22. P Street / California Avenue	23. Union Avenue / California Avenue	24. King Street / California Avenue
25. Owens Street / California Avenue	26. Dr Martin Luther King Jr Blvd / Haley Street / California Avenue	27. Mt. Vernon Avenue / California Avenue	28. Q Street / 14th Street
29. Union Avenue / Hayden Court / Sonora Street	30. Oak Street / Truxtun Avenue	31. F Street / Truxtun Avenue	32. H Street / Truxtun Avenue
33. Chester Avenue / Truxtun Avenue	34. L Street / Truxtun Avenue	35. N Street / Truxtun Avenue	36. Q Street / Truxtun Avenue
37. E. Truxtun Avenue / Beale Avenue / E. 19th Street	38. Q Street / 19th Street	39. F Street / 21st Street	40. Q Street / 21st Street



- = Signalized Intersection
- = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes

Note:
*XX(XX) Volume going to Beale Ave

41. Union Avenue / Golden State Avenue / 21st Street	42. F Street / 23rd Street	43. Chester Avenue / 23rd Street	44. Q Street / 23rd Street
45. SR 178 / SR 99 SB Ramps	46. SR 178 / SR 99 NB Off-Ramp / Buck Owens Blvd	47. Oak Street / SR 178	48. F Street / 24th Street
49. Chester Avenue / 24th Street	50. Beale Avenue / Monterey Street	51. Q Street / Golden State Avenue	52. Union Avenue / Espee Street
53. Beale Avenue / Niles Street	54. Williams Street / Niles Street	55. Mt. Vernon Avenue / Niles Street	56. M Street / 28th Street / Golden State Avenue
57. Union Avenue / W. Niles Street	58. F Street / 30th Street	59. Beale Avenue / Flower Street	60. F Street / Golden State Avenue



61. Beale Avenue / Jefferson Street	62. Chester Avenue / 34th Street	63. Union Avenue / 34th Street / Bernard Street	64. Chester Avenue / W. Columbus Street
65. Union Avenue / Columbus Street	66. Chester Avenue / 30th Street / SR 99 Ramps		67. L Street / California Avenue

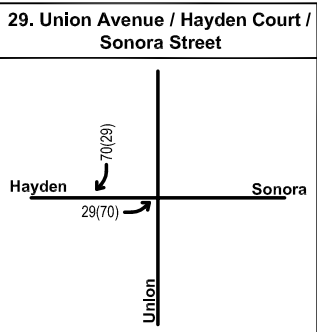
-  = Signalized Intersection
-  = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes

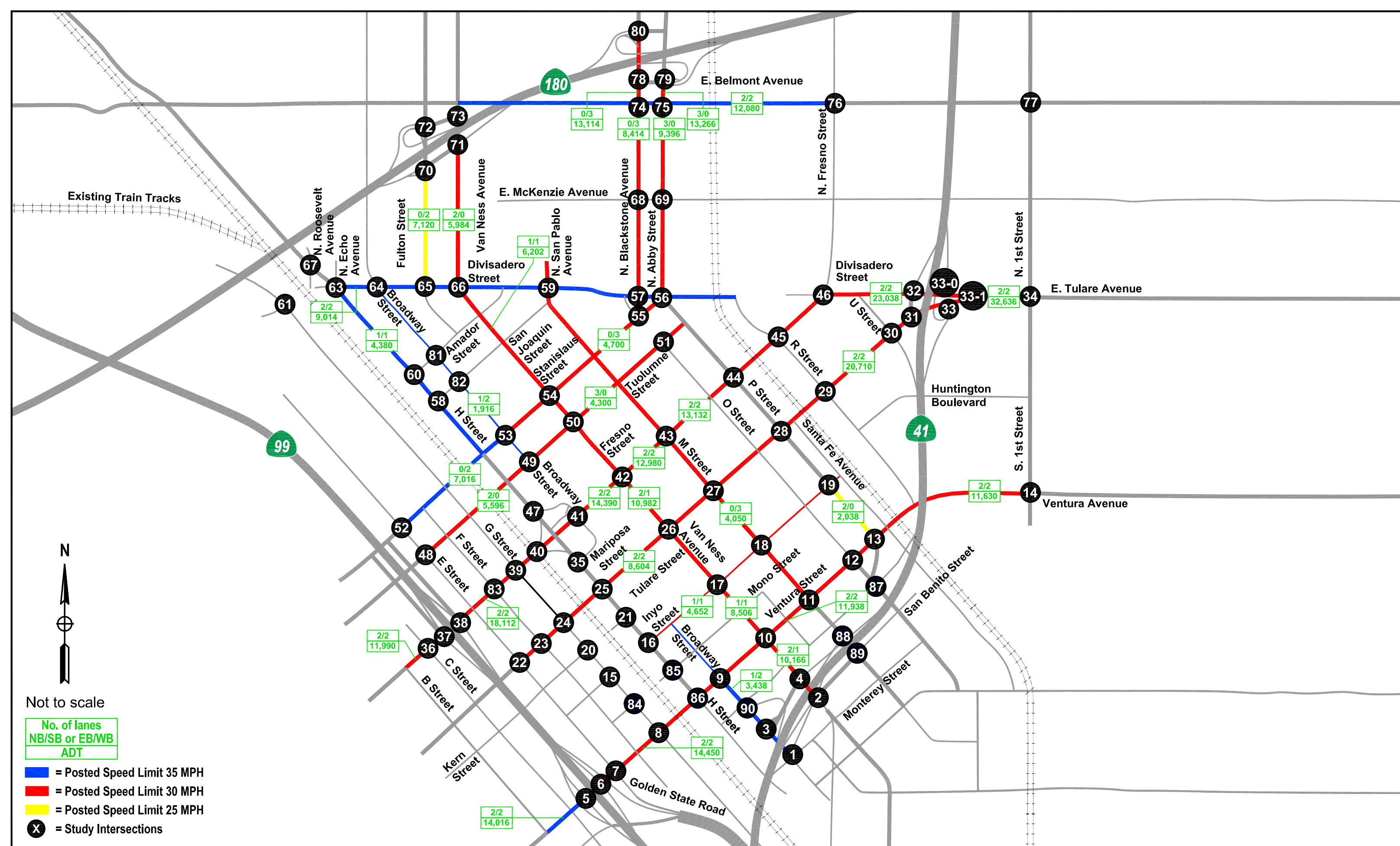


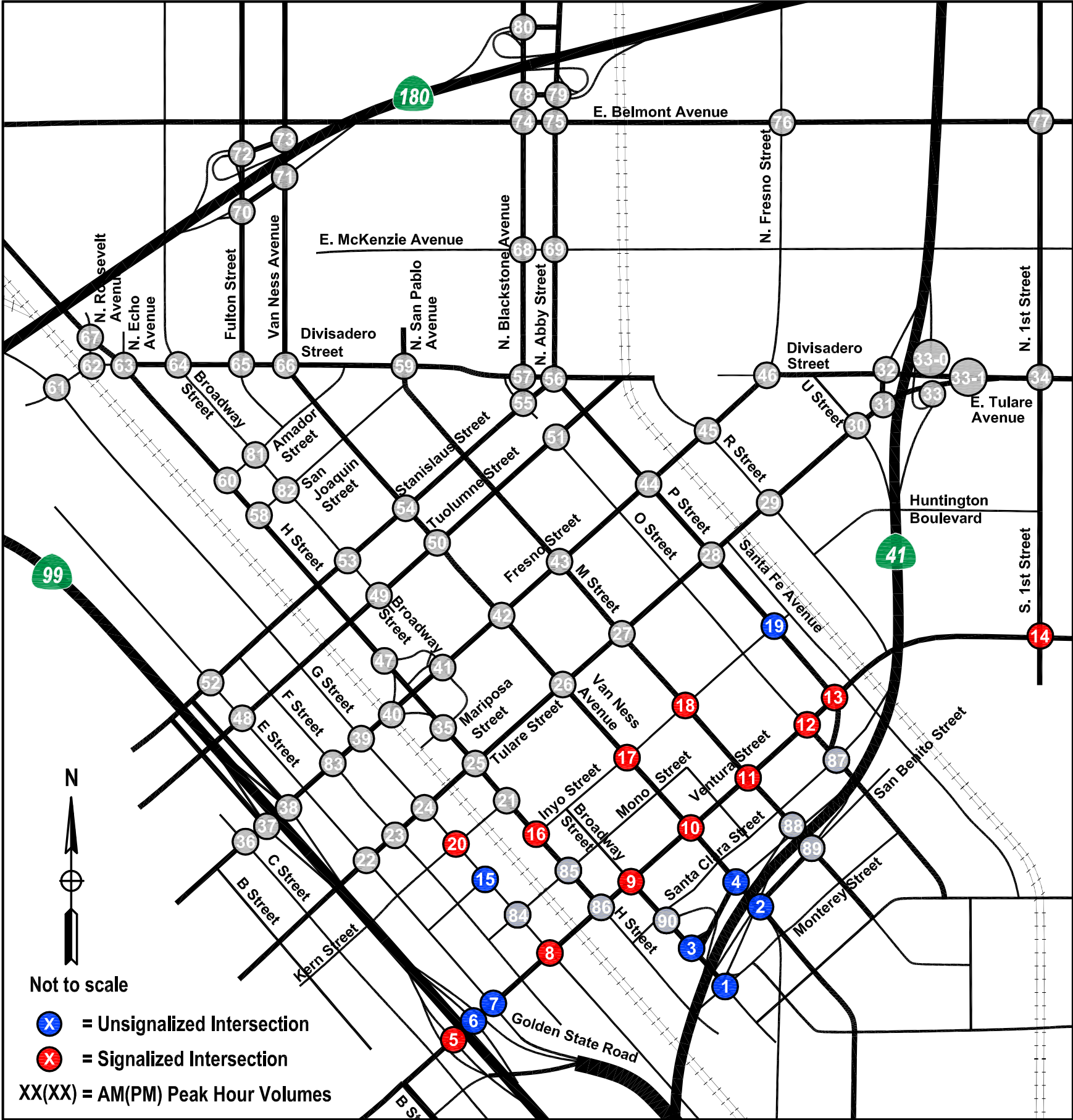
- X = Signalized Intersection
- X = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes

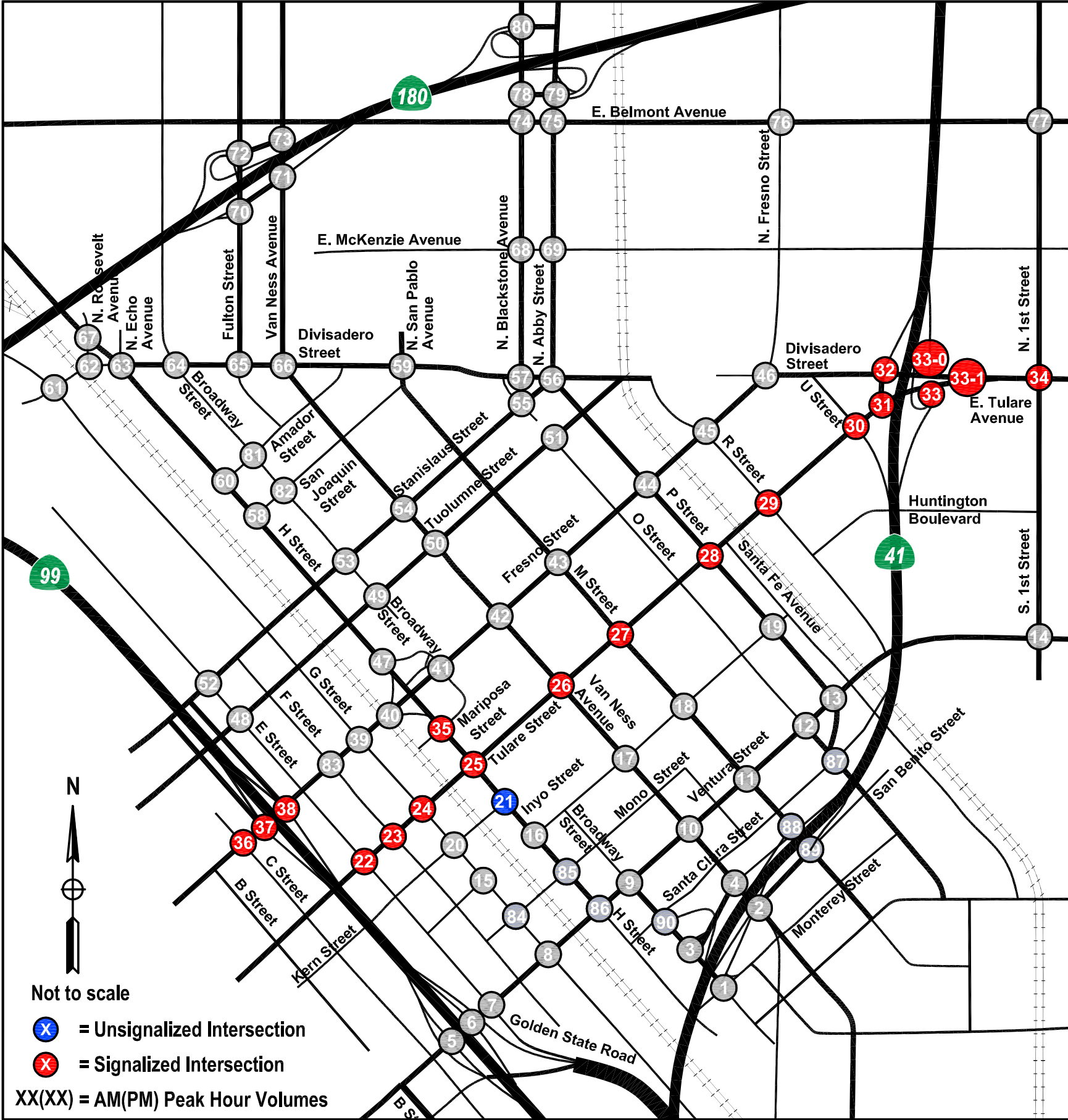


Note:
All intersections project trips are the same as South Alternative besides the one listed here.



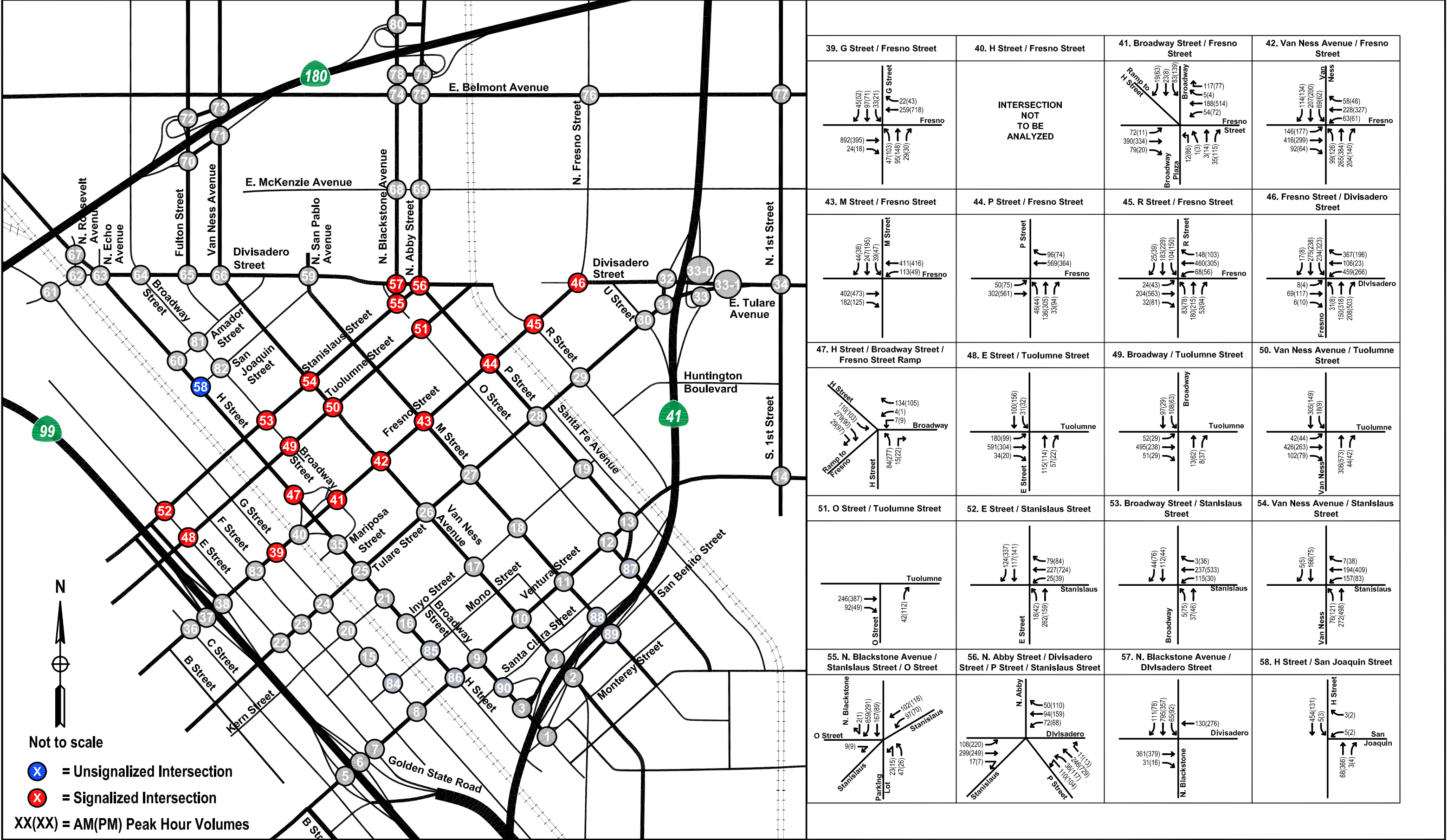


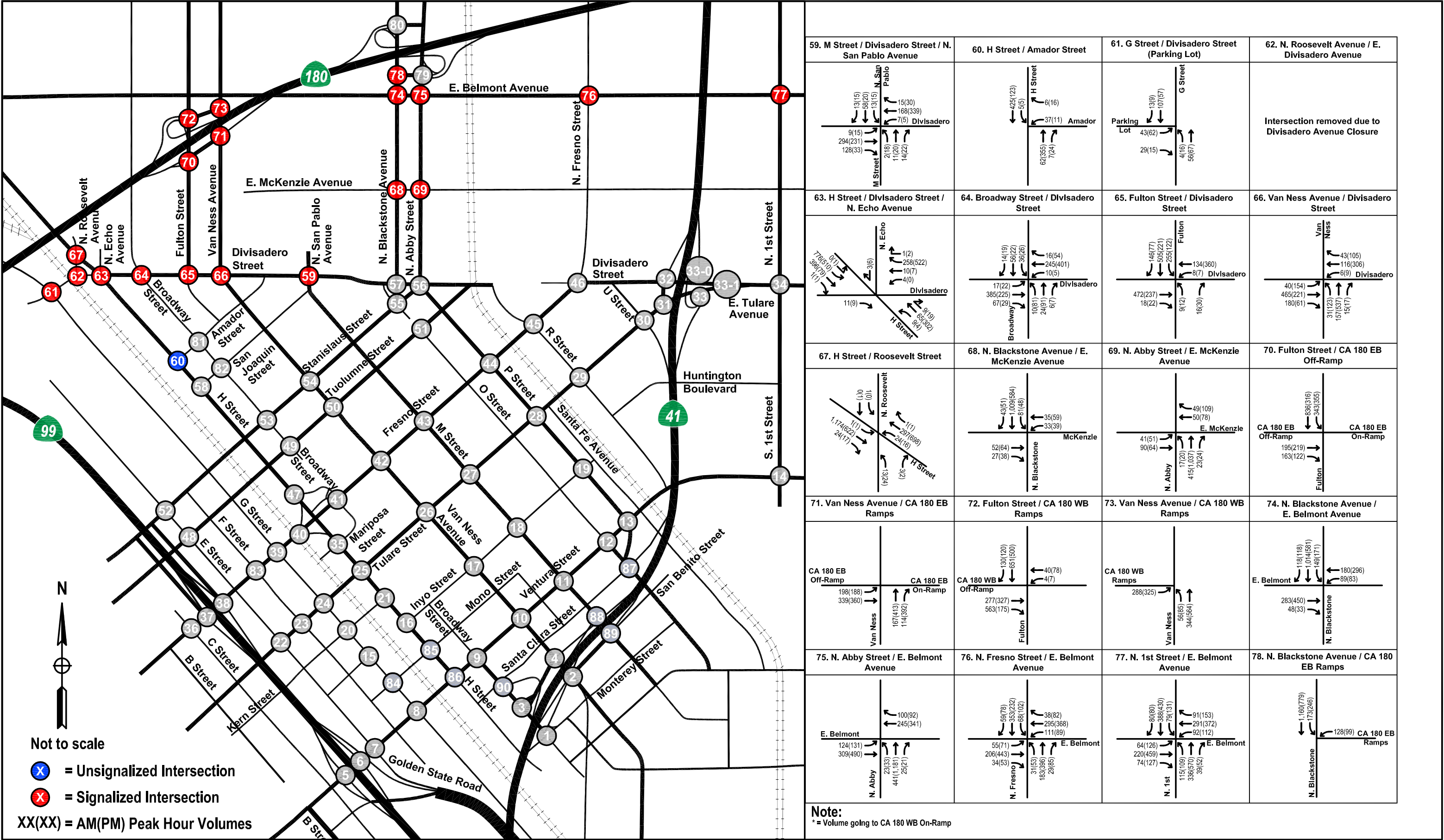
1. Broadway Street / SR 41 NB On-Ramp / Monterey Street 	2. Van Ness Avenue / SR 41 NB Off-Ramp / San Benito Street 	3. Broadway Street / SR 41 SB Off-Ramp 	4. Van Ness Avenue / SR 41 SB Off-Ramp
5. SR 99 SB Ramps / Ventura Avenue 	6. SR 99 NB Ramps / Ventura Avenue 	7. E Street / Ventura Avenue 	8. G Street / Ventura Avenue
9. Broadway Street / Ventura Avenue 	10. Van Ness Avenue / Ventura Street 	11. M Street / Ventura Street 	12. O Street / Ventura Avenue
13. P Street / Ventura Avenue 	14. S. 1st Street / Ventura Avenue 	15. G Street / Inyo Street 	16. H Street / Inyo Street
17. Van Ness Street / Inyo Street 	18. M Street / Inyo Street 	19. P Street / Inyo Street 	20. G Street / Kern Street
Note: *XX(XX) Volume going to SR 41 NB On-Ramp			



21. H Street / Kern Street (Parking Lot) 	22. E Street / Tulare Street 	23. F Street / Tulare Street 	24. G Street / Tulare Street
25. H Street / Tulare Street 	26. Van Ness Avenue / Tulare Street 	27. M Street / Tulare Street 	28. P Street / Tulare Street
29. R Street / Tulare Street 	30. U Street / Tulare Street 	31. Divisadero Street Off-Ramp / Tulare Street 	32. SR 41 SB Off-Ramp / Divisadero Street
33. SR 41 NB Ramps / Tulare Street 	33-0. SR 41 NB On-Ramp / E. Divisadero Street 	33-1. E. Divisadero Street / E. Tulare Street 	34. N. 1st Street / Tulare Street
35. H Street / Mariposa Street / Fresno Street Ramps 	36. C Street / Fresno Street 	37. SR 99 SB Ramps / Fresno Street 	38. SR 99 NB Ramps / Fresno Street

Note:
 *XX(X) Volume going to SR 41 NB On-Ramp

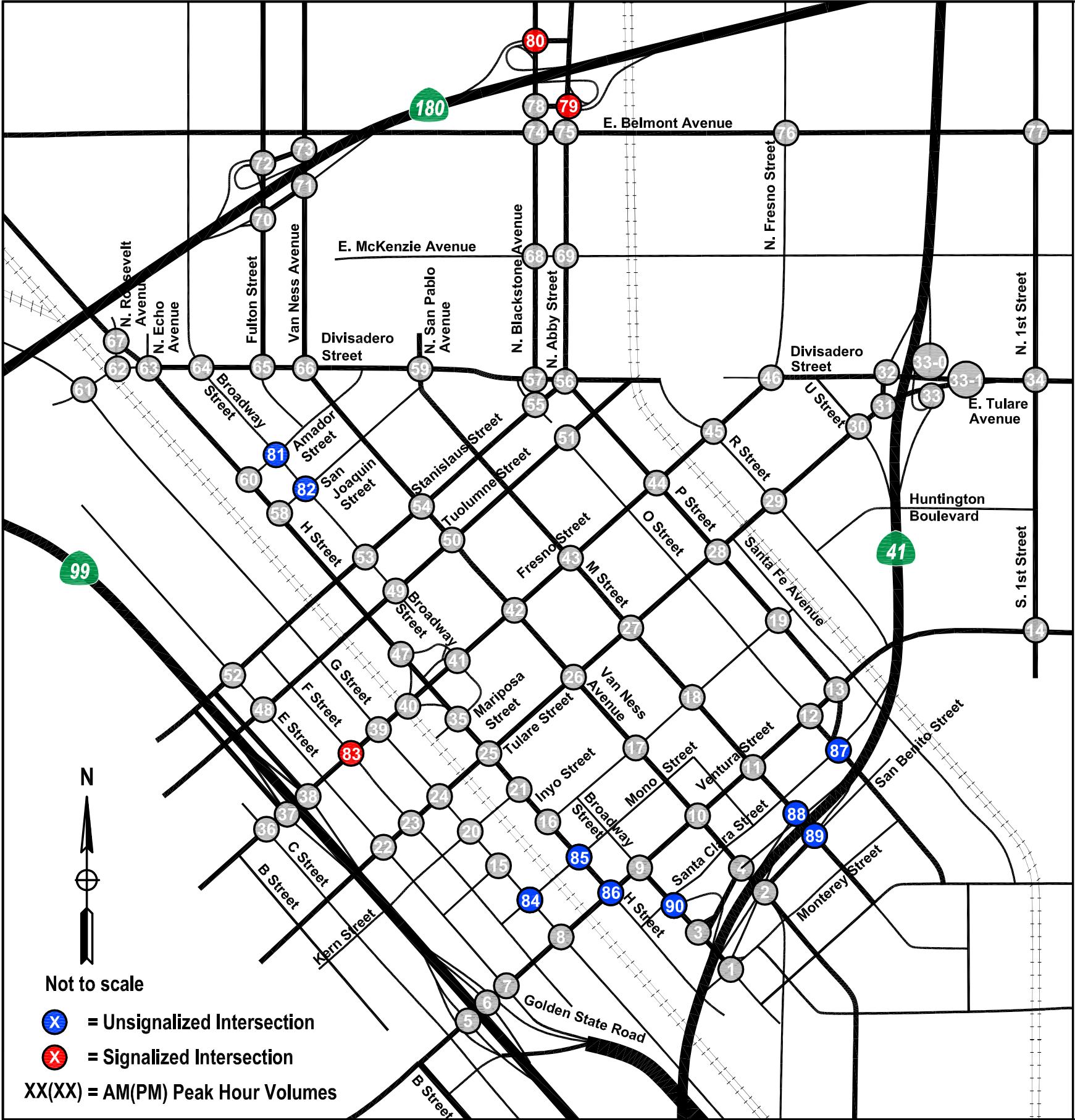




California High-Speed Train Program EIR/EIS

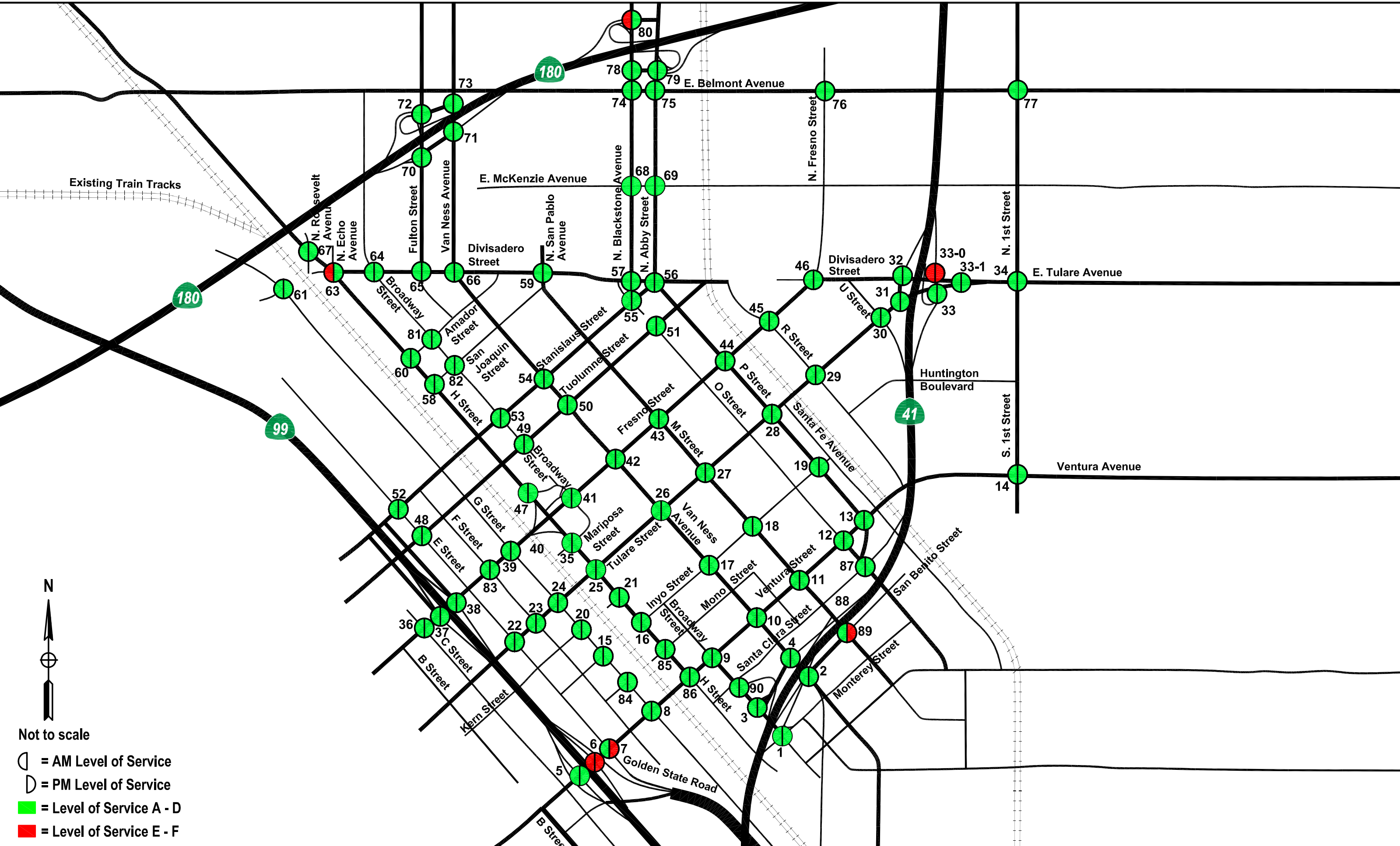
Fresno Station - Existing plus Project Peak Hour Turning Movement Volumes

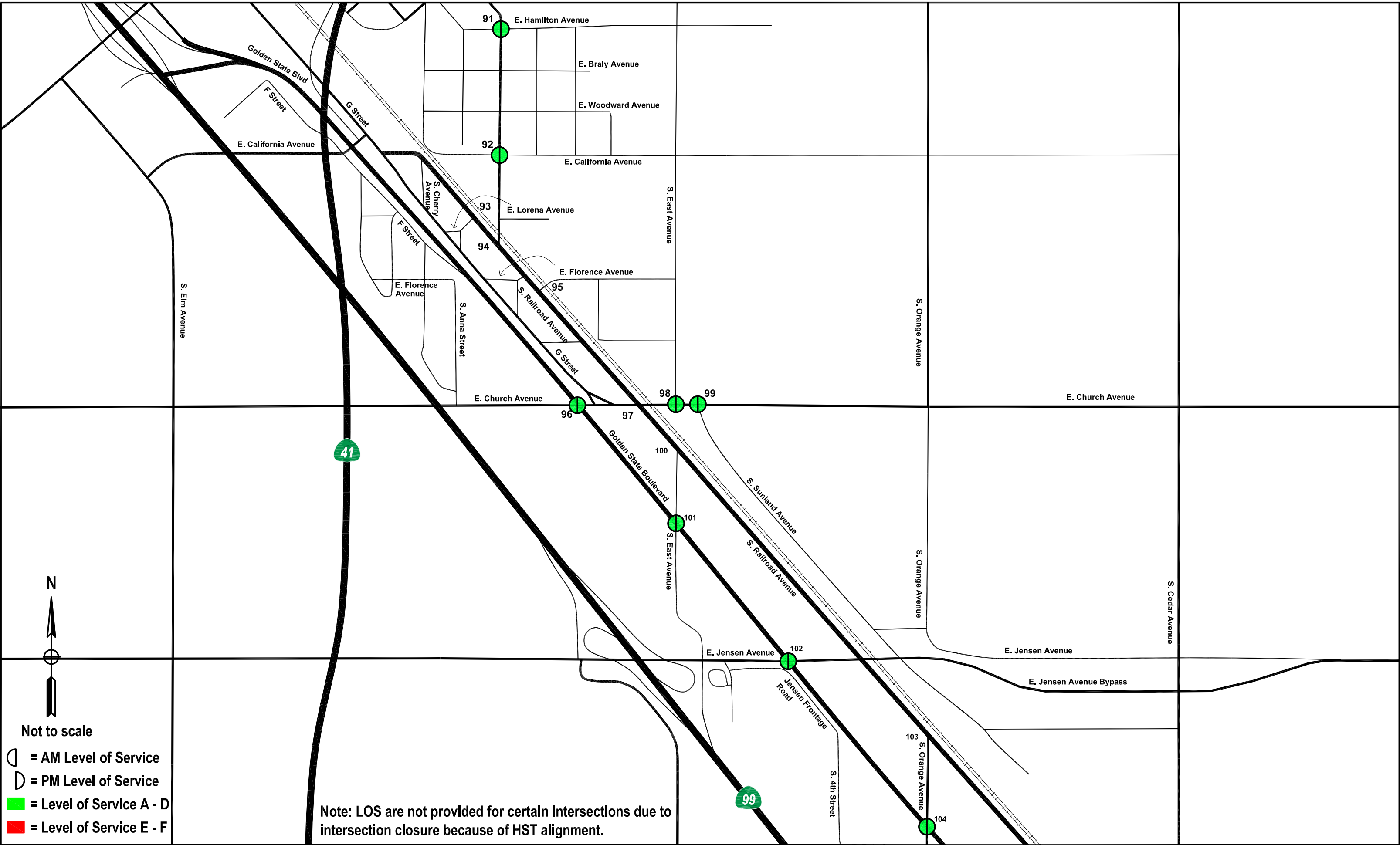
Figure 5.2-2d

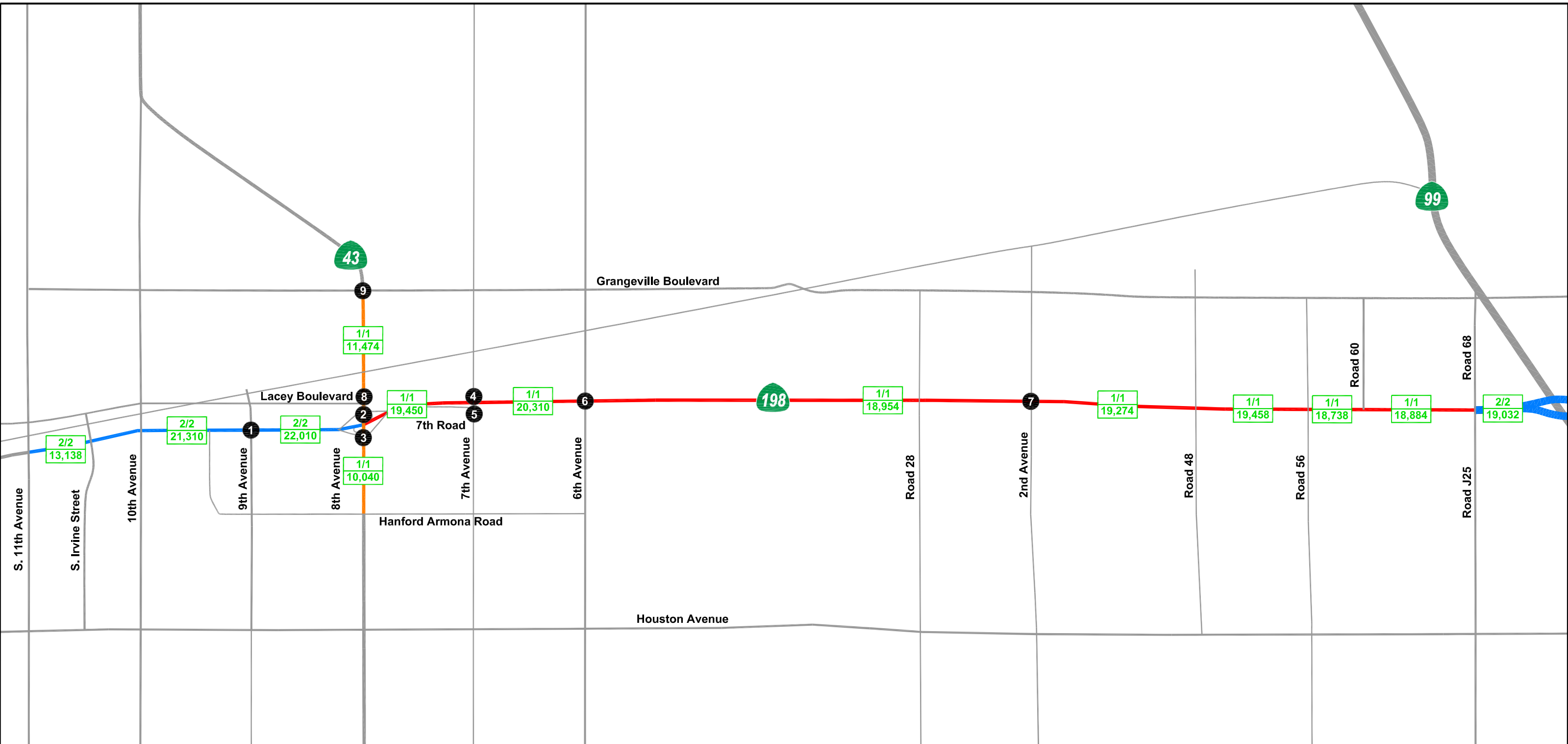



79. N. Abby Street / CA 180 EB Ramps	80. N. Blackstone Avenue / CA 180 WB Ramps	81. Broadway Street / Amador Street	82. Broadway Street / San Joaquin Street
83. F Street / Fresno Street	84. G Street / Mono Street	85. H Street / Mono Street (Parking Lot)	86. H Street / Ventura Street
87. O Street / Santa Clara Street - SR 41 SB Off-Ramp	88. M Street / SR 41 SB On-Ramp	89. M Street / San Benito Street - SR 41 NB On-Ramp	90. Broadway Street / Santa Clara Street - SR 41 SB Loop On-Ramp

Note:
* = Volume going to CA 180 WB On-Ramp



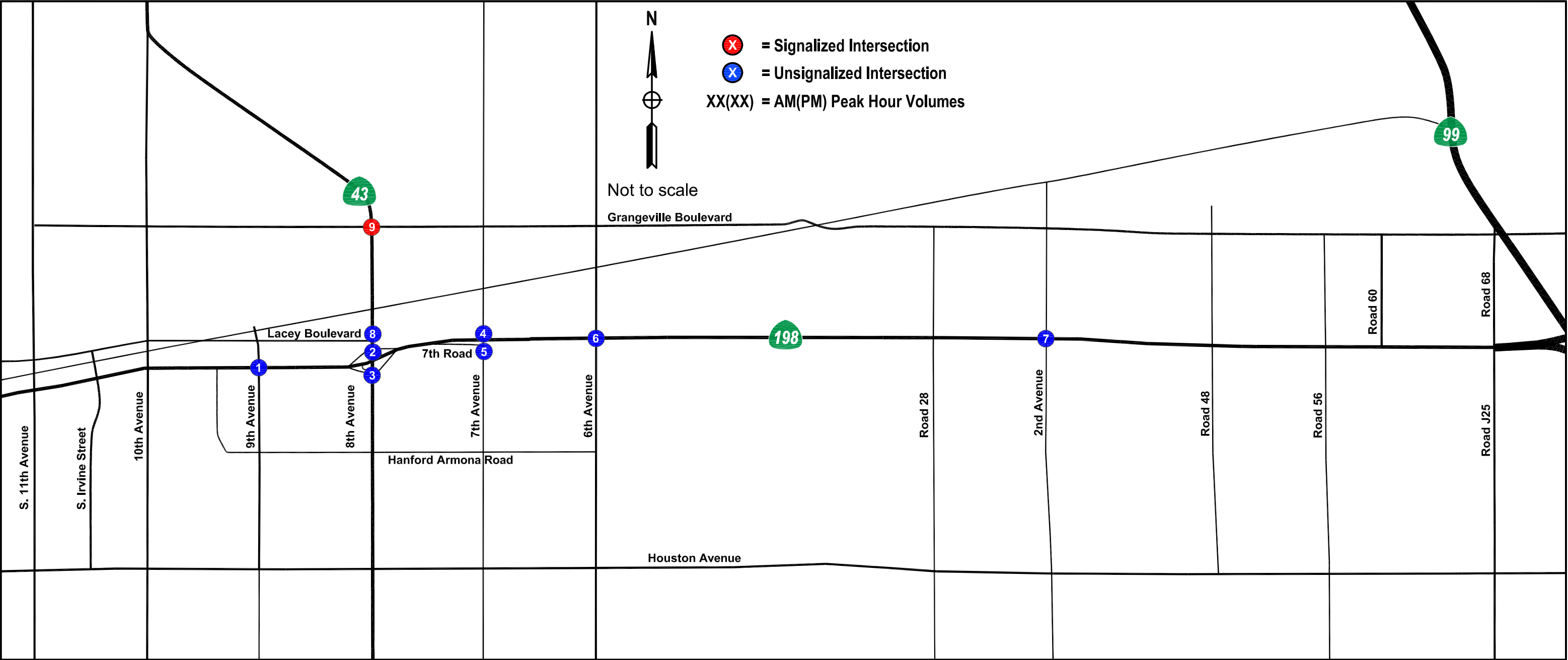




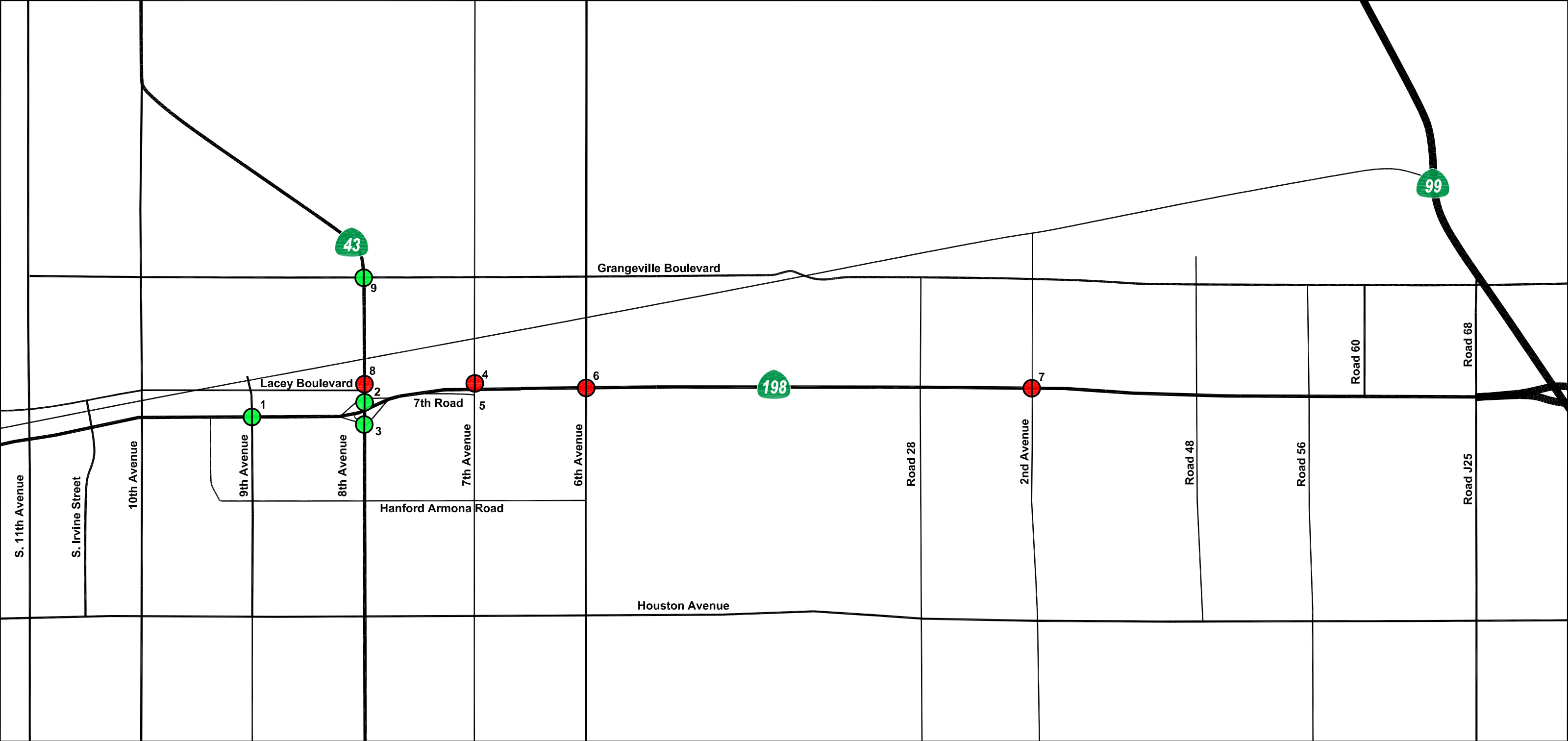


Not to scale

No. of lanes NB/SB or EB/WB ADT	
—	= Posted Speed Limit 65 MPH
—	= Posted Speed Limit 55 MPH
—	= Posted Speed Limit 50 MPH
X	= Study Intersections



1. 9th Avenue / SR 198	2. 8th Avenue / SR 198 WB Ramps	3. 8th Avenue / SR 198 EB Ramps	4. 7th Avenue / SR 198	5. 7th Avenue / 7th Road	6. 6th Avenue / SR 198	7. 2nd Avenue / SR 198	8. SR 43 / Lacey Boulevard	9. SR 43 / Grangeville Boulevard
				INTERSECTION NOT TO BE ANALYZED				



N

= AM Level of Service

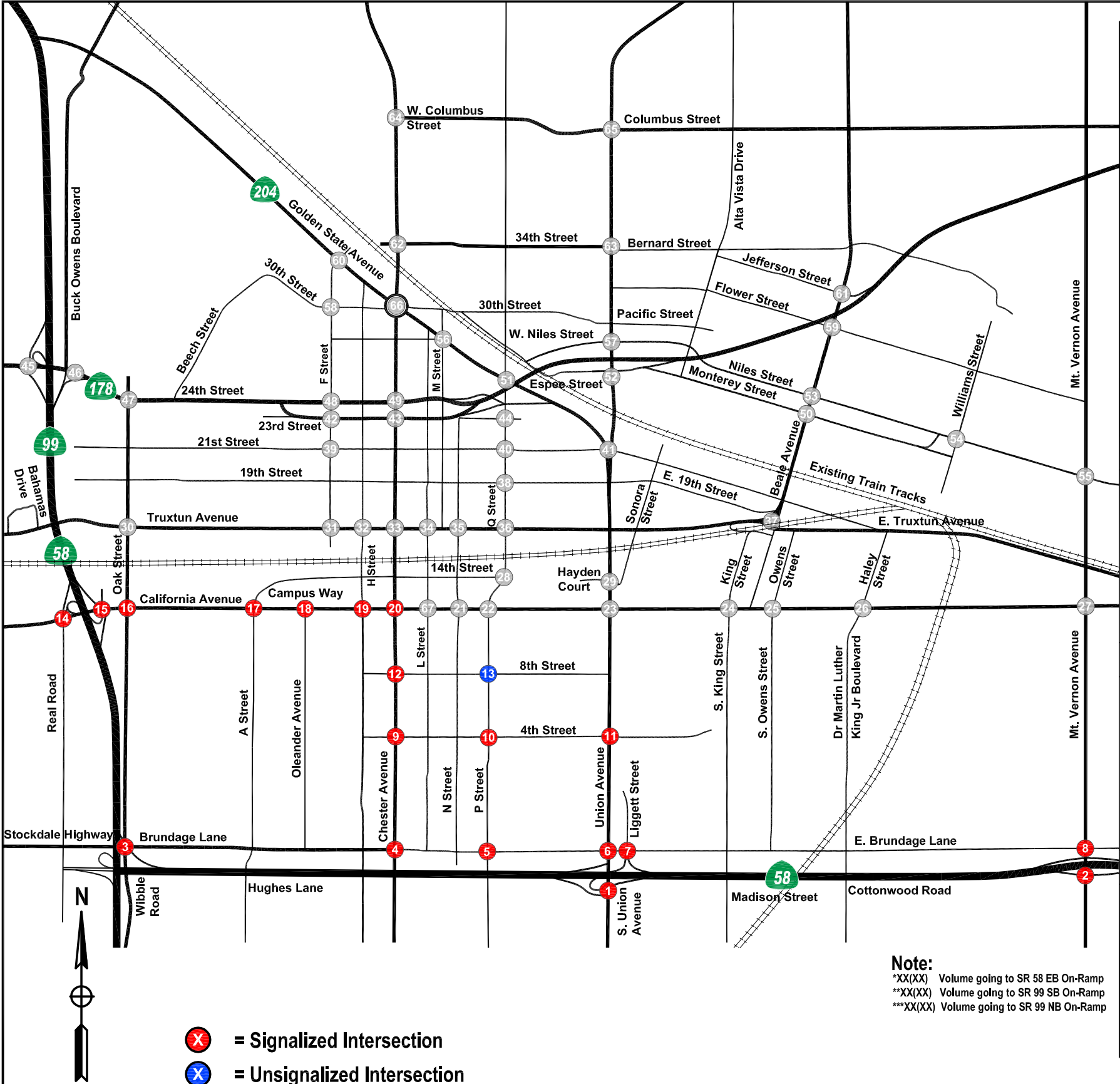
= PM Level of Service

= Level of Service A - D

= Level of Service E - F

Not to scale





Note:
*XX(X) Volume going to SR 58 EB On-Ramp
**XX(X) Volume going to SR 99 SB On-Ramp
***XX(X) Volume going to SR 99 NB On-Ramp

= Signalized Intersection

= Unsignalized Intersection

Not to scale XX(X) = AM(PM) Peak Hour Volumes

1. S. Union Avenue / SR 58 EB Ramps	2. Mt. Vernon Avenue / SR 58 EB Ramps	3. Wible Road / Oak Street / Brundage Lane/Stockdale Highway	4. Chester Avenue / Brundage Lane
5. P Street / Brundage Lane	6. Union Avenue / E. Brundage Lane	7. Liggett Street / E. Brundage Lane	8. Mt. Vernon Avenue / E. Brundage Lane
9. Chester Avenue / 4th Street	10. P Street / 4th Street	11. Union Avenue / 4th Street	12. Chester Avenue / 8th Street
13. P Street / 8th Street	14. Real Road / California Avenue / SR 99 SB Ramps	15. SR 99 NB Ramps / California Avenue	16. Oak Street / California Avenue
17. A Street / California Avenue / Campus Way	18. Oleander Avenue / California Avenue	19. H Street / California Avenue	20. Chester Avenue / California Avenue



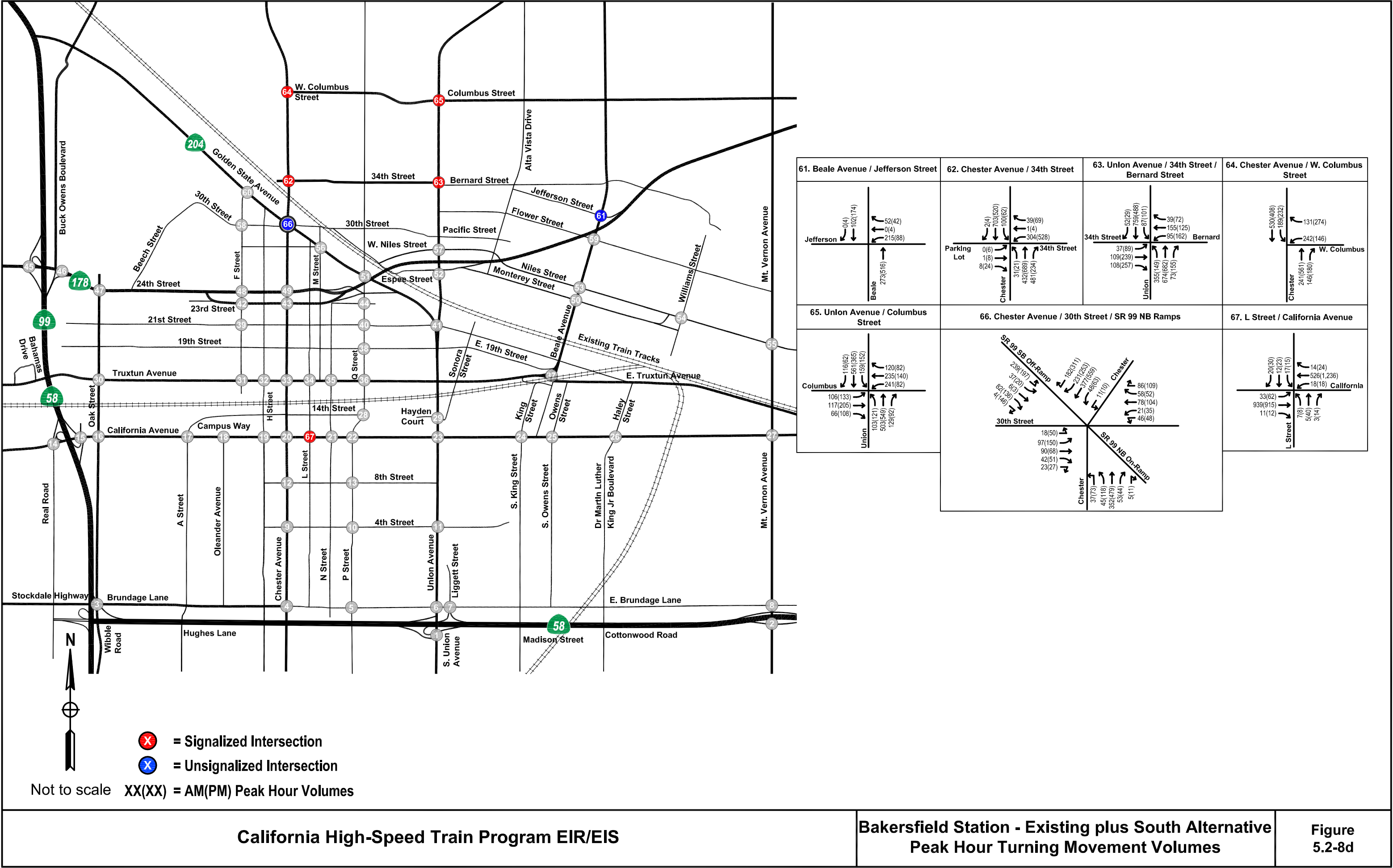
= Signalized Intersection
 = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes

21. N Street / California Avenue 	22. P Street / California Avenue 	23. Union Avenue / California Avenue 	24. King Street / California Avenue
25. Owens Street / California Avenue 	26. Dr Martin Luther King Jr Blvd / Haley Street / California Avenue 	27. Mt. Vernon Avenue / California Avenue 	28. Q Street / 14th Street
29. Union Avenue / Hayden Court / Sonora Street 	30. Oak Street / Truxtun Avenue 	31. F Street / Truxtun Avenue 	32. H Street / Truxtun Avenue
33. Chester Avenue / Truxtun Avenue 	34. L Street / Truxtun Avenue 	35. N Street / Truxtun Avenue 	36. Q Street / Truxtun Avenue
37. E. Truxtun Avenue / Beale Avenue / E. 19th Street 	38. Q Street / 19th Street 	39. F Street / 21st Street 	40. Q Street / 21st Street



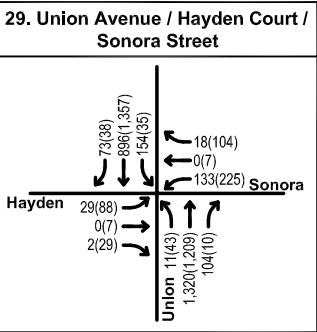
41. Union Avenue / Golden State Avenue / 21st Street 	42. F Street / 23rd Street 	43. Chester Avenue / 23rd Street 	44. Q Street / 23rd Street
45. SR 178 / SR 99 SB Ramps 	46. SR 178 / SR 99 NB Off-Ramp / Buck Owens Blvd 	47. Oak Street / SR 178 	48. F Street / 24th Street
49. Chester Avenue / 24th Street 	50. Beale Avenue / Monterey Street 	51. Q Street / Golden State Avenue 	52. Union Avenue / Espee Street
53. Beale Avenue / Niles Street 	54. Williams Street / Niles Street 	55. Mt. Vernon Avenue / Niles Street 	56. M Street / 28th Street / Golden State Avenue
57. Union Avenue / W. Niles Street 	58. F Street / 30th Street 	59. Beale Avenue / Flower Street 	60. F Street / Golden State Avenue



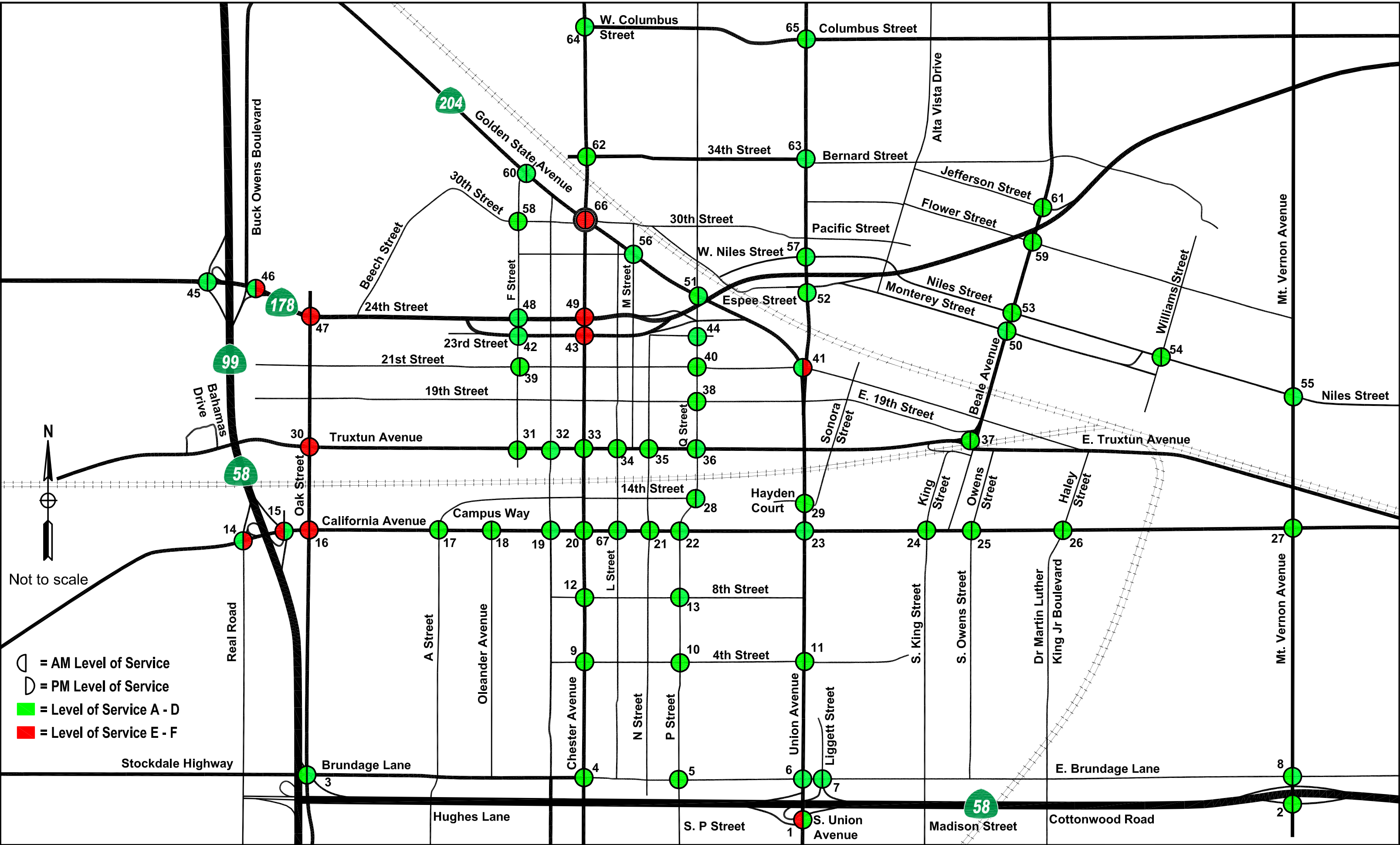


- = Signalized Intersection
- = Unsignalized Intersection

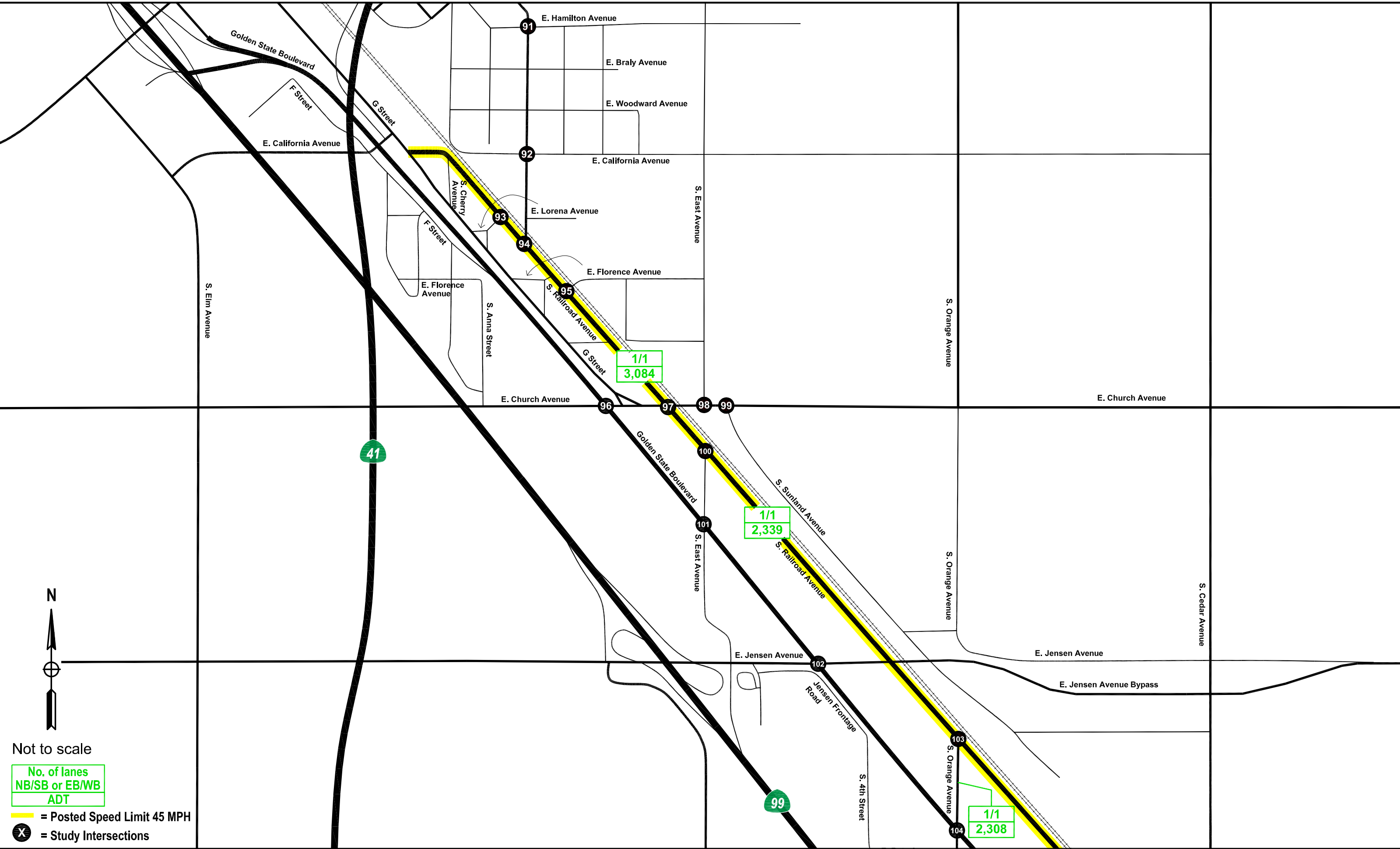
Not to scale XX(XX) = AM(PM) Peak Hour Volumes

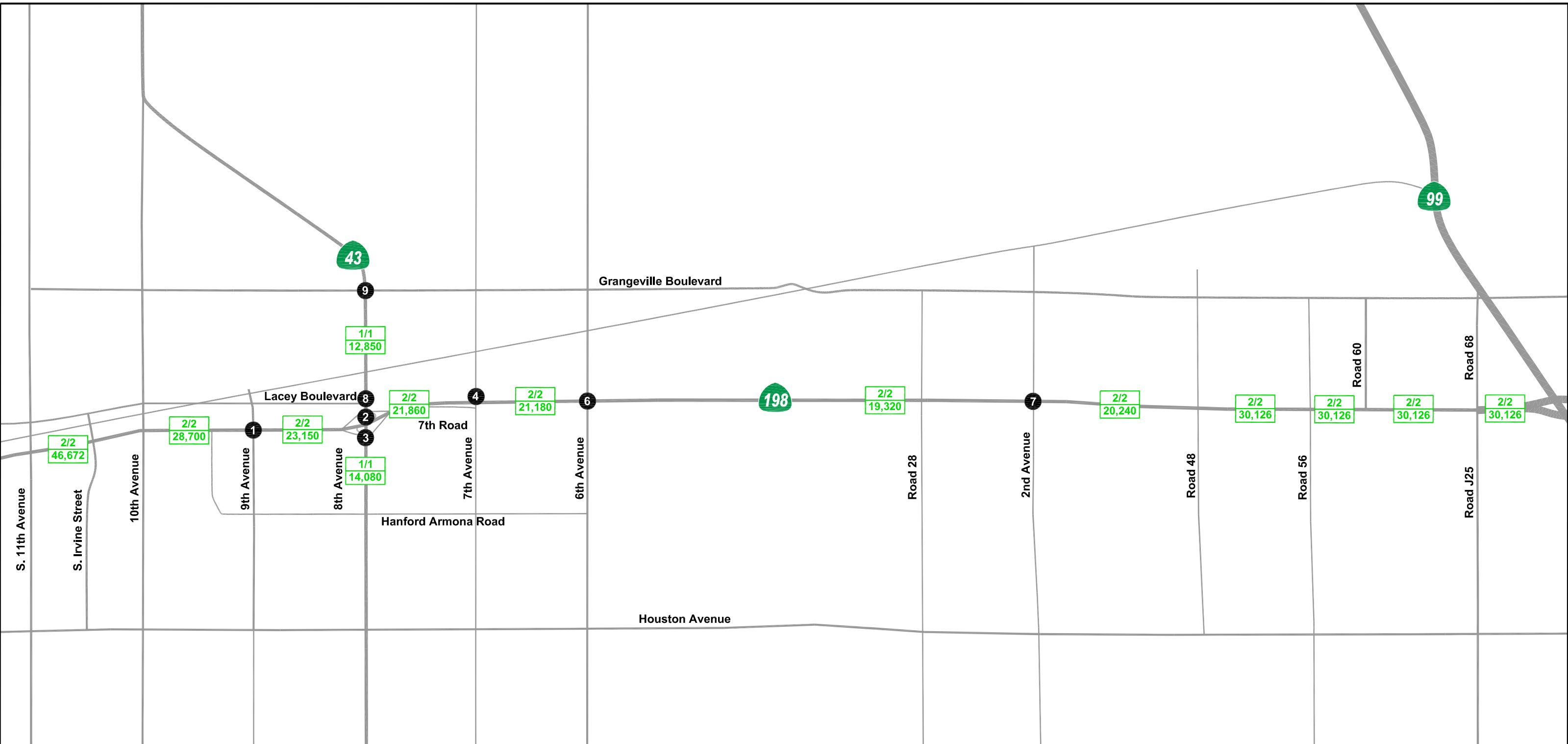



Note:
All volumes are same as Existing plus South Alternative beside the one listed above.











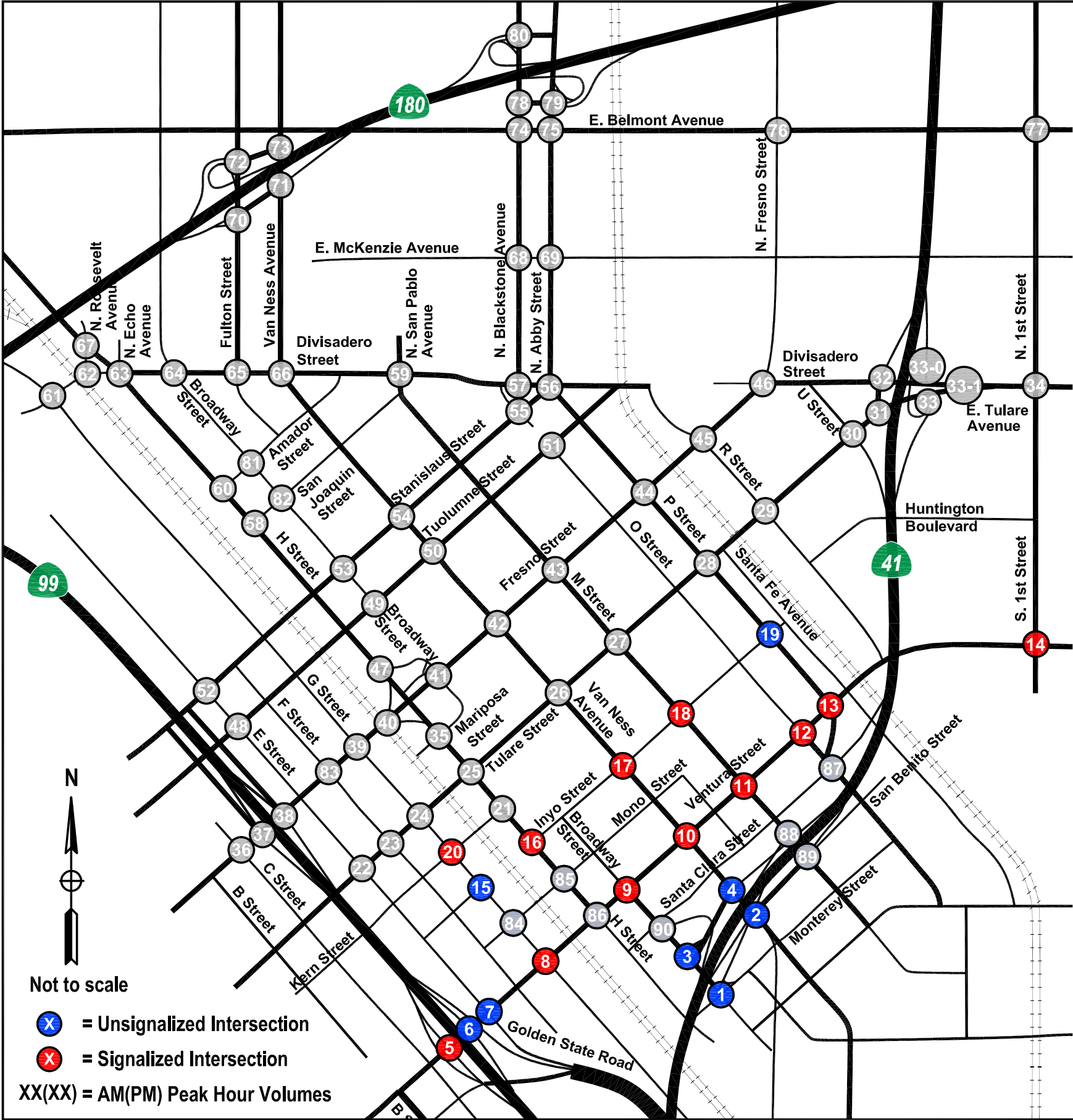
N

No. of lanes
NB/SB or EB/WB
ADT

Not to scale

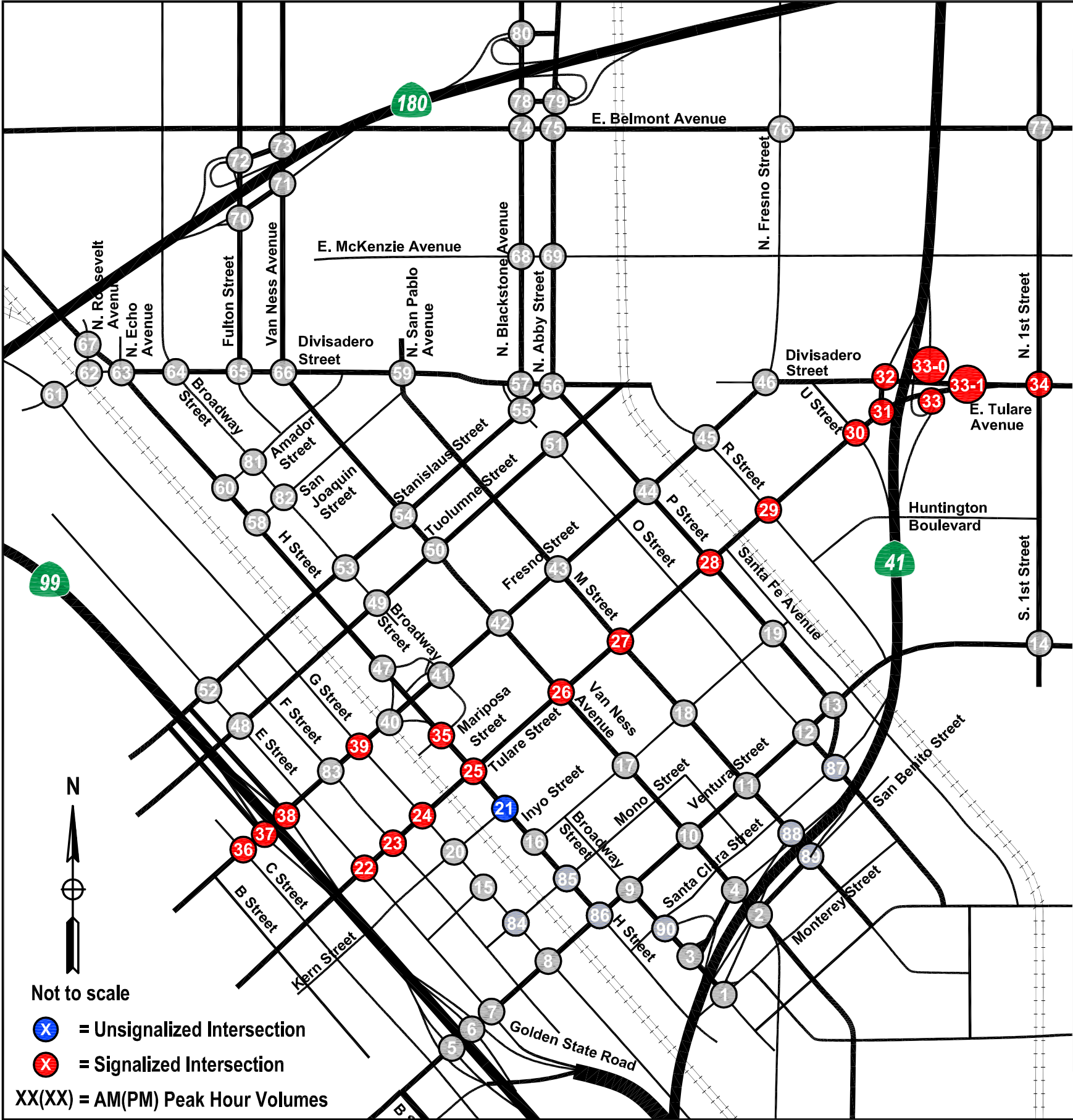
X = Study Intersections





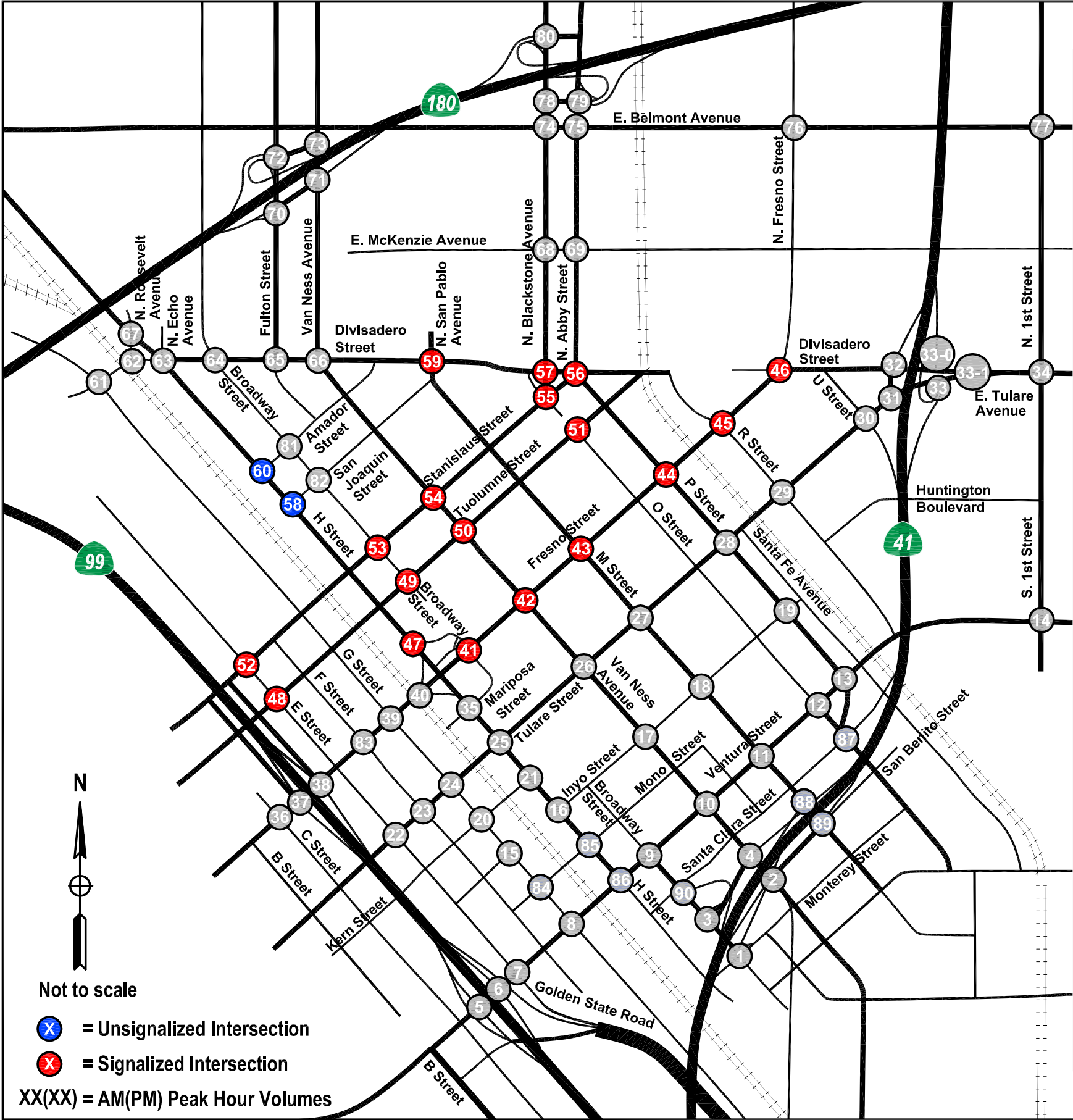
1. Broadway Street / SR 41 NB On-Ramp / Monterey Street	2. Van Ness Avenue / SR 41 NB Off-Ramp / San Benito Street	3. Broadway Street / SR 41 SB Off-Ramp	4. Van Ness Avenue / SR 41 SB Off-Ramp
5. SR 99 SB Ramps / Ventura Avenue	6. SR 99 NB Ramps / Ventura Avenue	7. E Street / Ventura Avenue	8. G Street / Ventura Avenue
9. Broadway Street / Ventura Avenue	10. Van Ness Avenue / Ventura Street	11. M Street / Ventura Street	12. O Street / Ventura Avenue
13. P Street / Ventura Avenue	14. S. 1st Street / Ventura Avenue	15. G Street / Inyo Street	16. H Street / Inyo Street
17. Van Ness Street / Inyo Street	18. M Street / Inyo Street	19. P Street / Inyo Street	20. G Street / Kern Street

Note:
*XX(X) Volume going to SR 41 NB On-Ramp

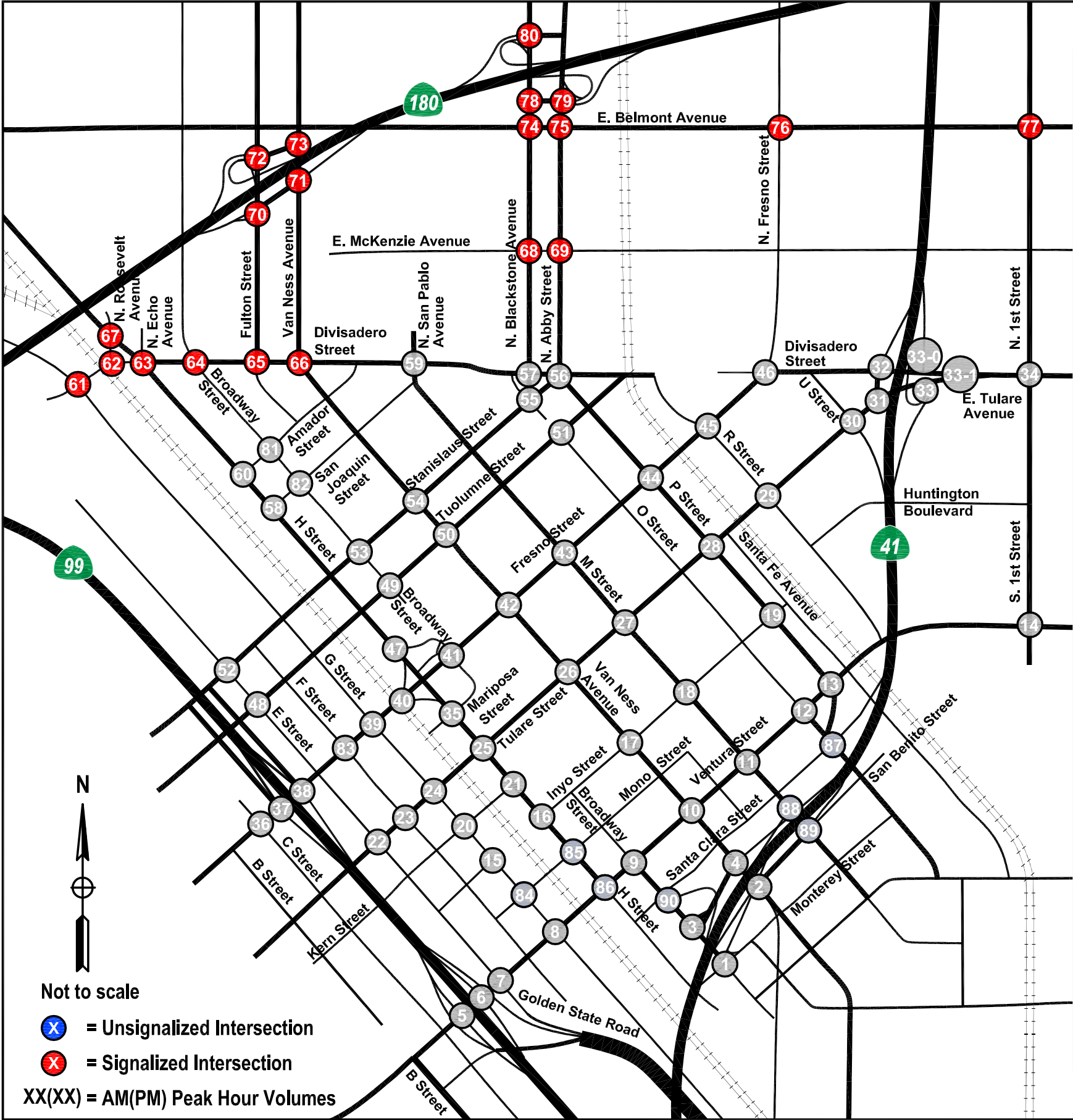


<div>21. H Street / Kern Street</div>	<div>22. E Street / Tulare Street</div>	<div>23. F Street / Tulare Street</div>	<div>24. G Street / Tulare Street</div>
<div>25. H Street / Tulare Street</div>	<div>26. Van Ness Avenue / Tulare Street</div>	<div>27. M Street / Tulare Street</div>	<div>28. P Street / Tulare Street</div>
<div>29. R Street / Tulare Street</div>	<div>30. U Street / Tulare Street</div>	<div>31. Divisadero Street Off-Ramp / Tulare Street</div>	<div>32. SR 41 SB Off-Ramp / Divisadero Street</div>
<div>33. SR 41 NB Ramps / Tulare Street</div>	<div>33-0. SR 41 NB On-Ramp / E. Divisadero Street</div>	<div>34. N. 1st Street / Tulare Street</div>	<div>35. H Street / Mariposa Street / Fresno Street Ramp</div>
<div>36. C Street / Fresno Street</div>	<div>37. SR 99 SB Ramps / Fresno Street</div>	<div>38. SR 99 NB Ramps / Fresno Street</div>	<div>39. G Street / Fresno Street</div>


Note:
*XX(X) Volume going to SR 41 NB On-Ramp




41. Broadway Street / Fresno Street 	42. Van Ness Avenue / Fresno Street 	43. M Street / Fresno Street 	44. P Street / Fresno Street
45. R Street / Fresno Street 	46. Fresno Street / Divisadero Street 	47. H Street / Broadway Street / Fresno Street Ramp 	48. E Street / Tuolumne Street
49. Broadway / Tuolumne Street 	50. Van Ness Avenue / Tuolumne Street 	51. O Street / Tuolumne Street 	52. E Street / Stanislaus Street
53. Broadway Street / Stanislaus Street 	54. Van Ness Avenue / Stanislaus Street 	55. N. Blackstone Avenue / Stanislaus Street / O Street 	56. N. Abby Street / Divisadero Street / P Street / Stanislaus Street
57. N. Blackstone Avenue / Divisadero Street 	58. H Street / San Joaquin Street 	59. M Street / Divisadero Street / N. San Pablo Avenue 	60. H Street / Amador Street

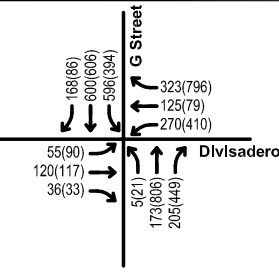
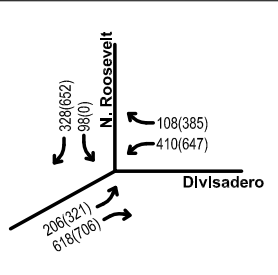
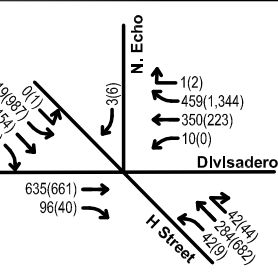
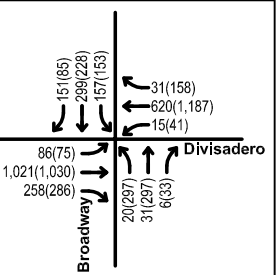
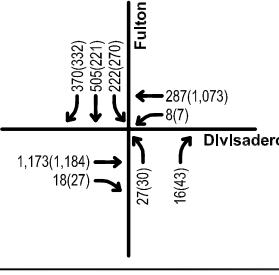
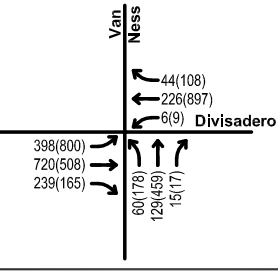
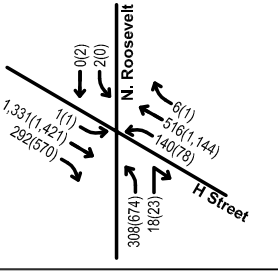
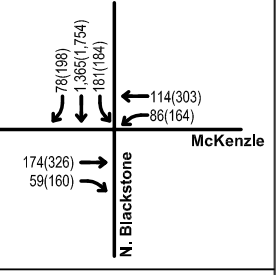
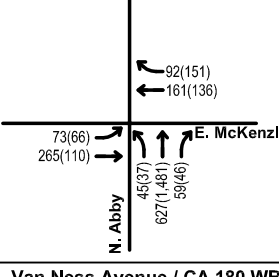
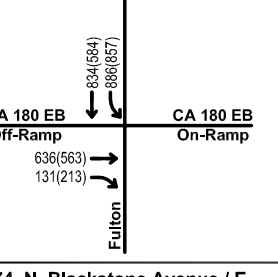
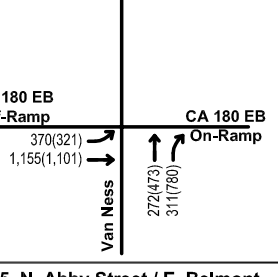
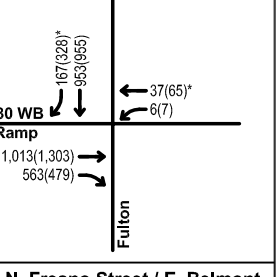
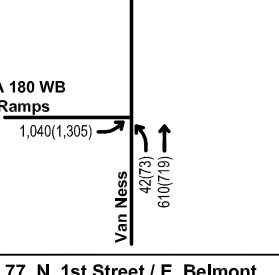
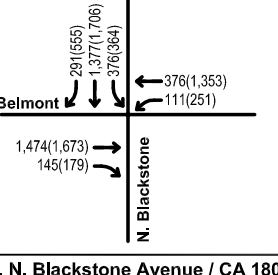
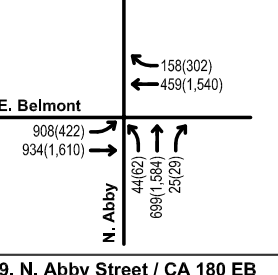
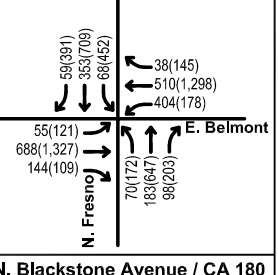
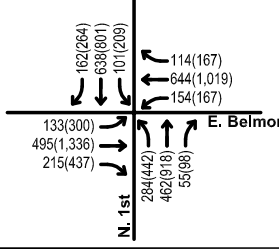
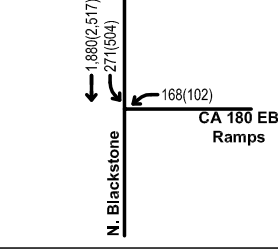
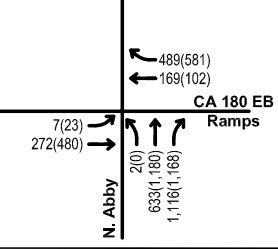
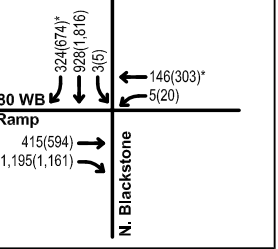


Not to scale

 = Unsignalized Intersection

 = Signalized Intersection

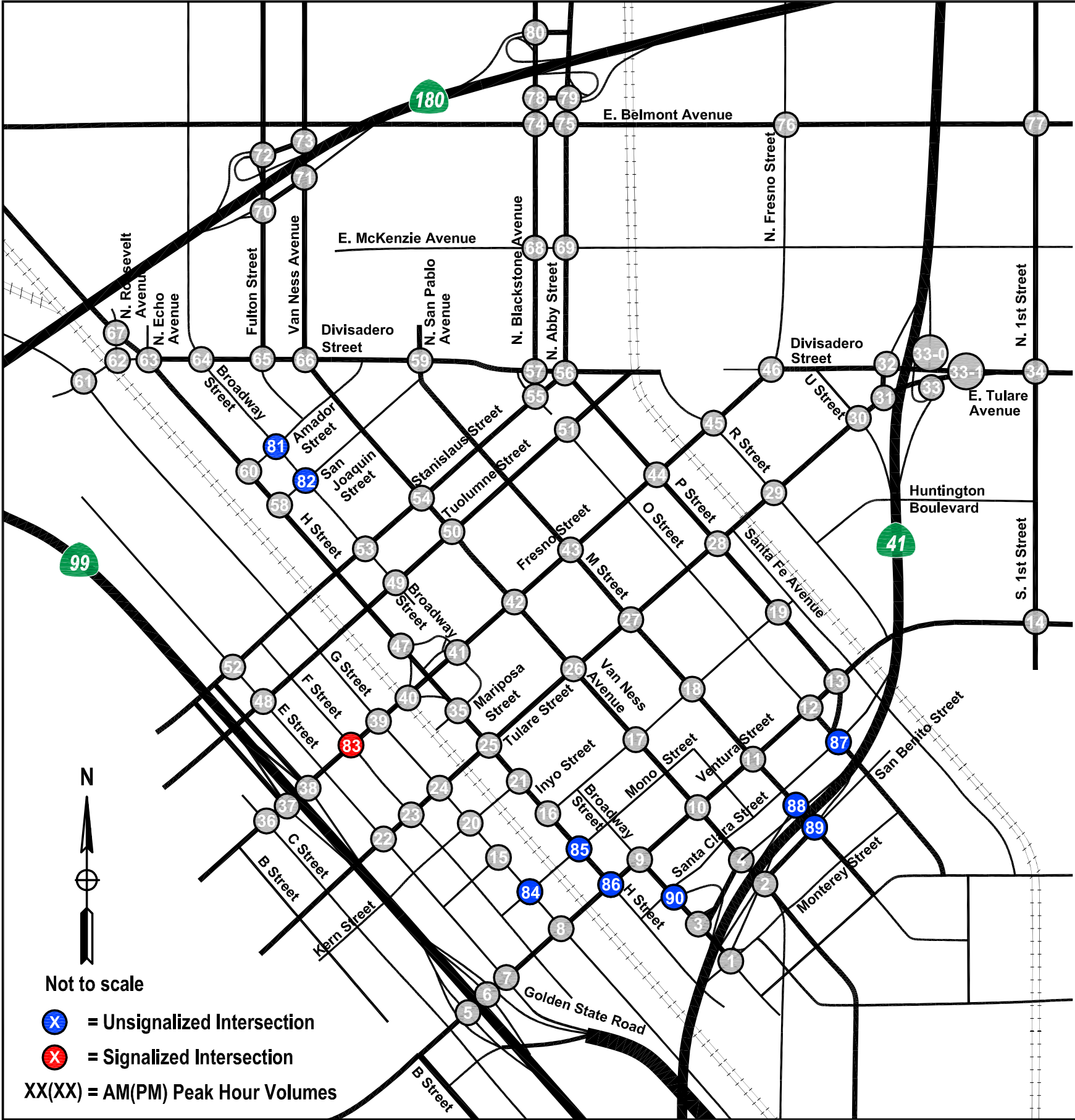
XX(XX) = AM(PM) Peak Hour Volumes

61. G Street / Divisadero Street 	62. N. Roosevelt Avenue / Divisadero Avenue 	63. H Street / Divisadero Street / N. Echo Avenue 	64. Broadway Street / Divisadero Street 
65. Fulton Street / Divisadero Street 	66. Van Ness Avenue / Divisadero Street 	67. H Street / N. Roosevelt Street 	68. N. Blackstone Avenue / E. McKenzie Avenue 
69. N. Abby Street / E. McKenzie Avenue 	70. Fulton Street / CA 180 EB Ramps 	71. Van Ness Avenue / CA 180 EB Ramps 	72. Fulton Street / CA 180 WB Ramps 
73. Van Ness Avenue / CA 180 WB Ramps 	74. N. Blackstone Avenue / E. Belmont Avenue 	75. N. Abby Street / E. Belmont Avenue 	76. N. Fresno Street / E. Belmont Avenue 
77. N. 1st Street / E. Belmont Avenue 	78. N. Blackstone Avenue / CA 180 EB Ramps 	79. N. Abby Street / CA 180 EB Ramps 	80. N. Blackstone Avenue / CA 180 WB Ramp 

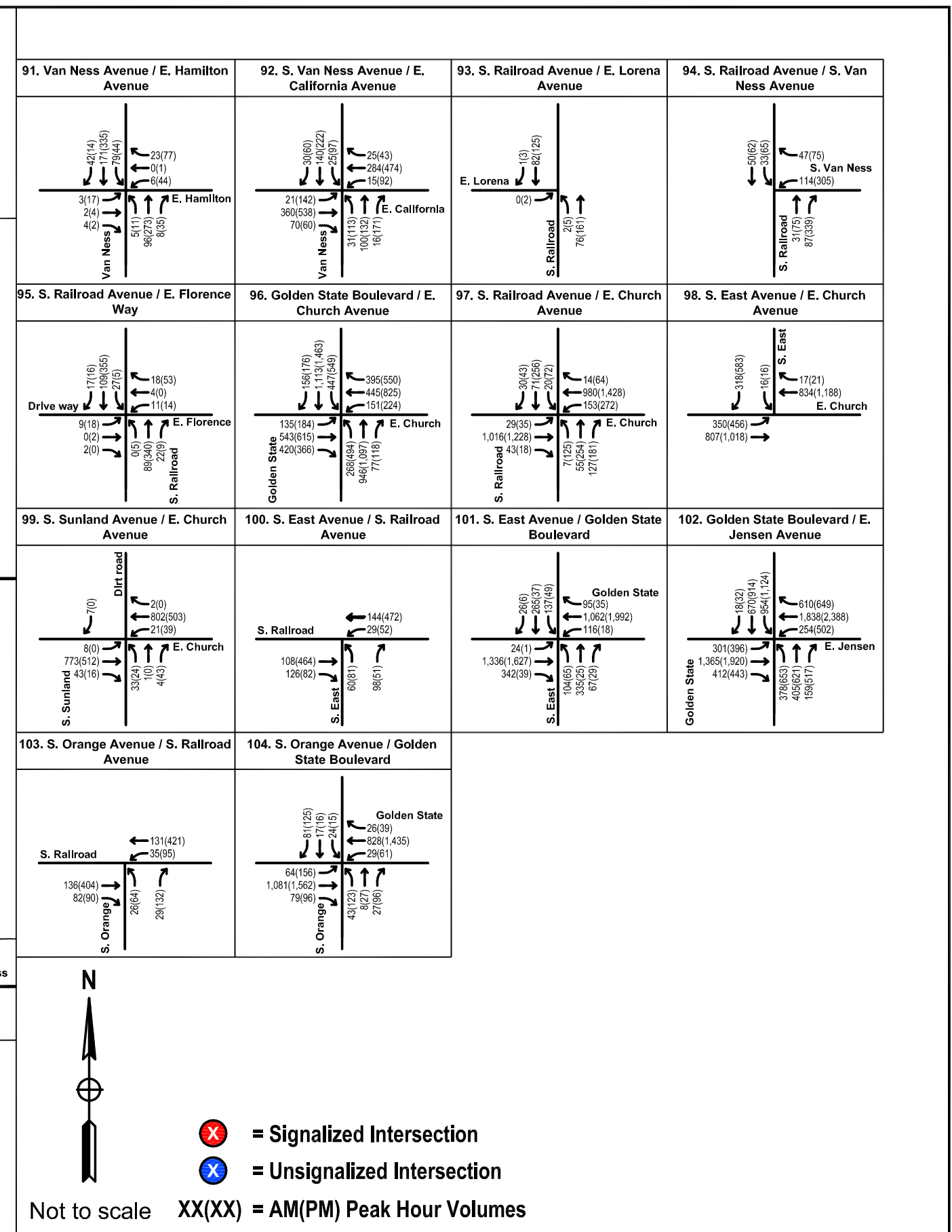
Note:
*XX(XX) Volume going to CA 180 WB On-Ramp

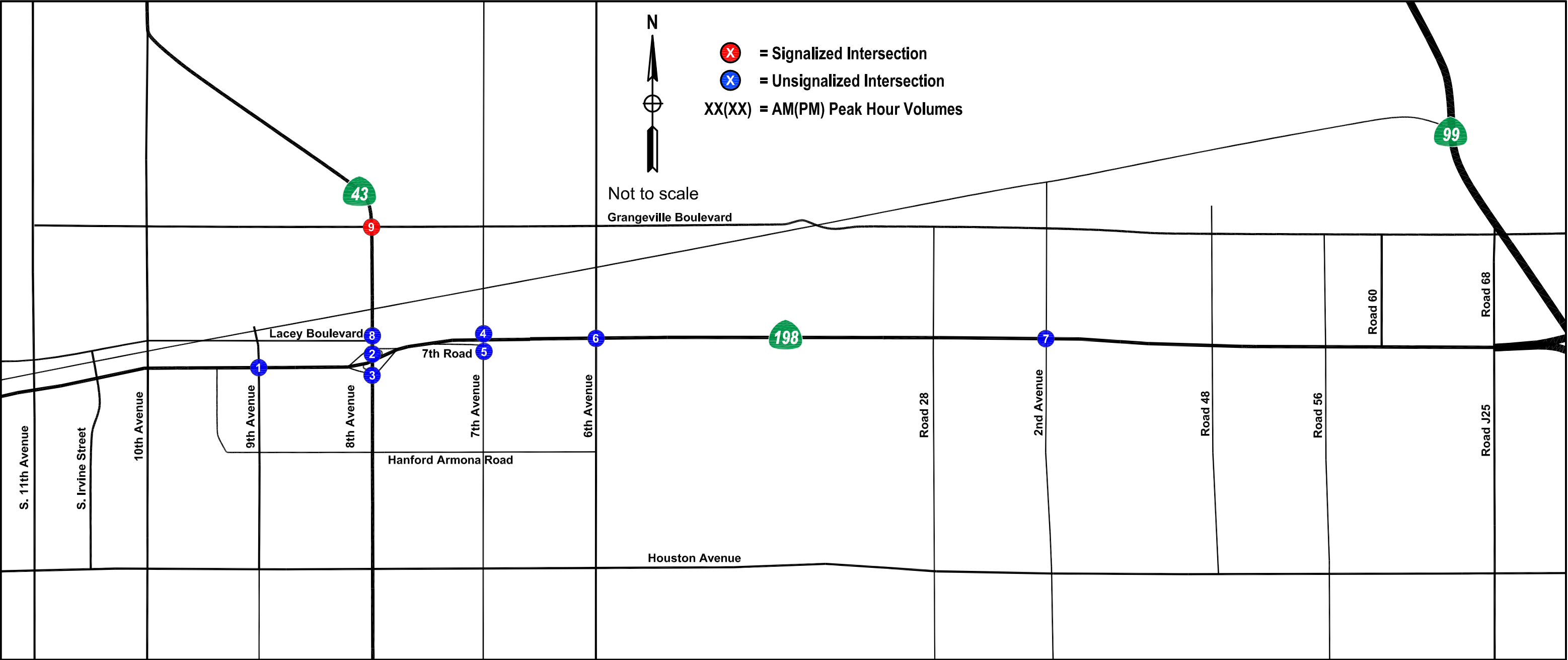
Year 2035 No Build Peak Hour - Turning Movement Volumes - Fresno Station

Figure 5.3-4d



81. Broadway Street / Amador Street 	82. Broadway Street / San Joaquin Street 	83. F Street / Fresno Street 	84. G Street / Mono Street
85. H Street / Mono Street 	86. H Street / Ventura Street 	87. O Street / Santa Clara Street - SR 41 SB Off-Ramp 	88. M Street / SR 41 SB On-Ramp
89. M Street / San Benito Street - SR 41 NB On-Ramp 	90. Broadway Street / Santa Clara Street - SR 41 SB Loop On-Ramp 		





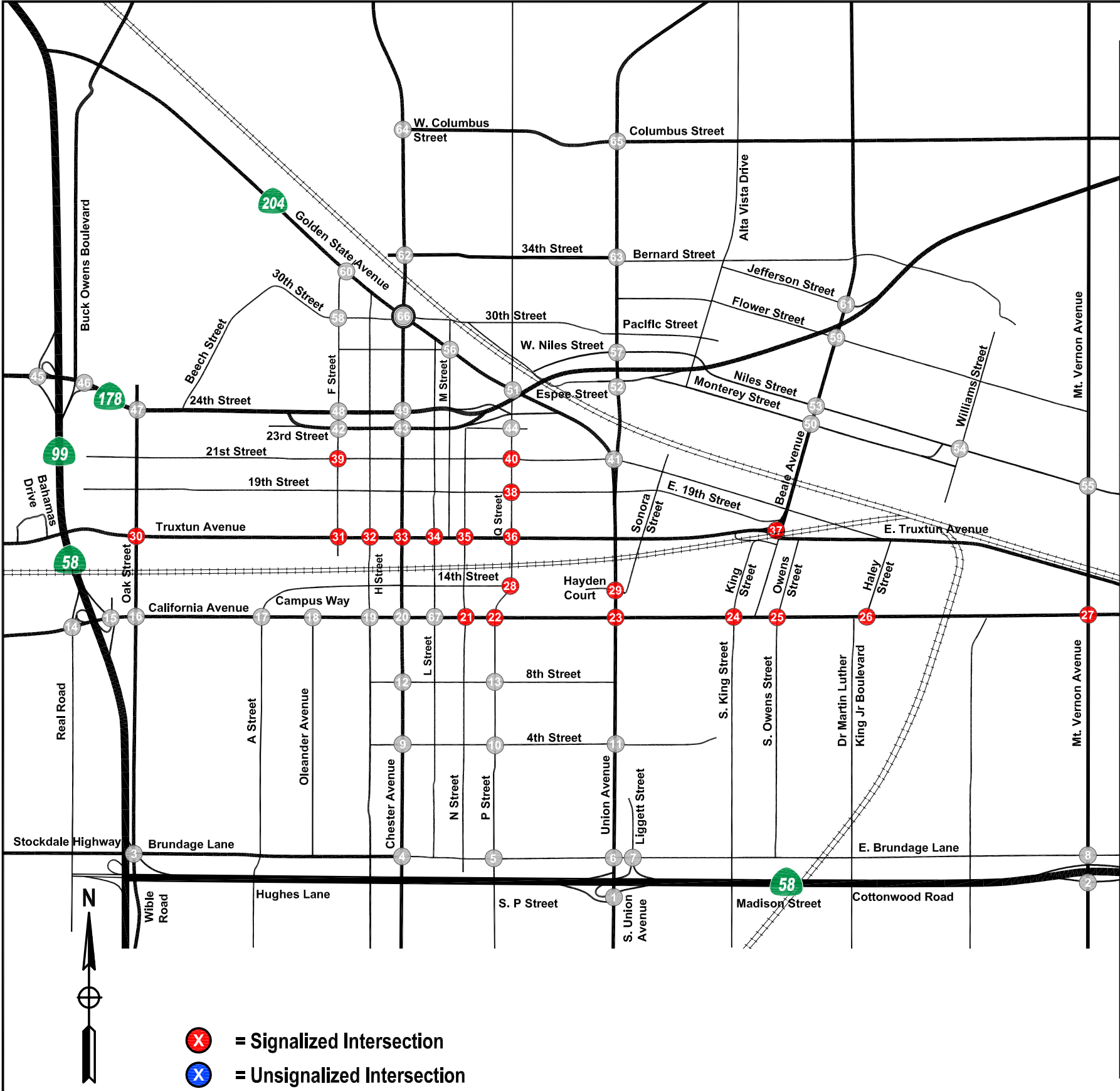
1. 9th Avenue / SR 198	2. 8th Avenue / SR 198 WB Ramps	3. 8th Avenue / SR 198 EB Ramps	4. 7th Avenue / SR 198	5. 7th Avenue / 7th Road	6. 6th Avenue / SR 198	7. 2nd Avenue / SR 198	8. SR 43 / Lacey Boulevard	9. SR 43 / Grangeville Boulevard
				INTERSECTION NOT TO BE ANALYZED				



Not to scale XX(XX) = AM(PM) Peak Hour Volumes

Note:
*XX(XX) Volume going to SR 58 EB On-Ramp
**XX(XX) Volume going to SR 99 SB On-Ramp
***XX(XX) Volume going to SR 99 NB On-Ramp

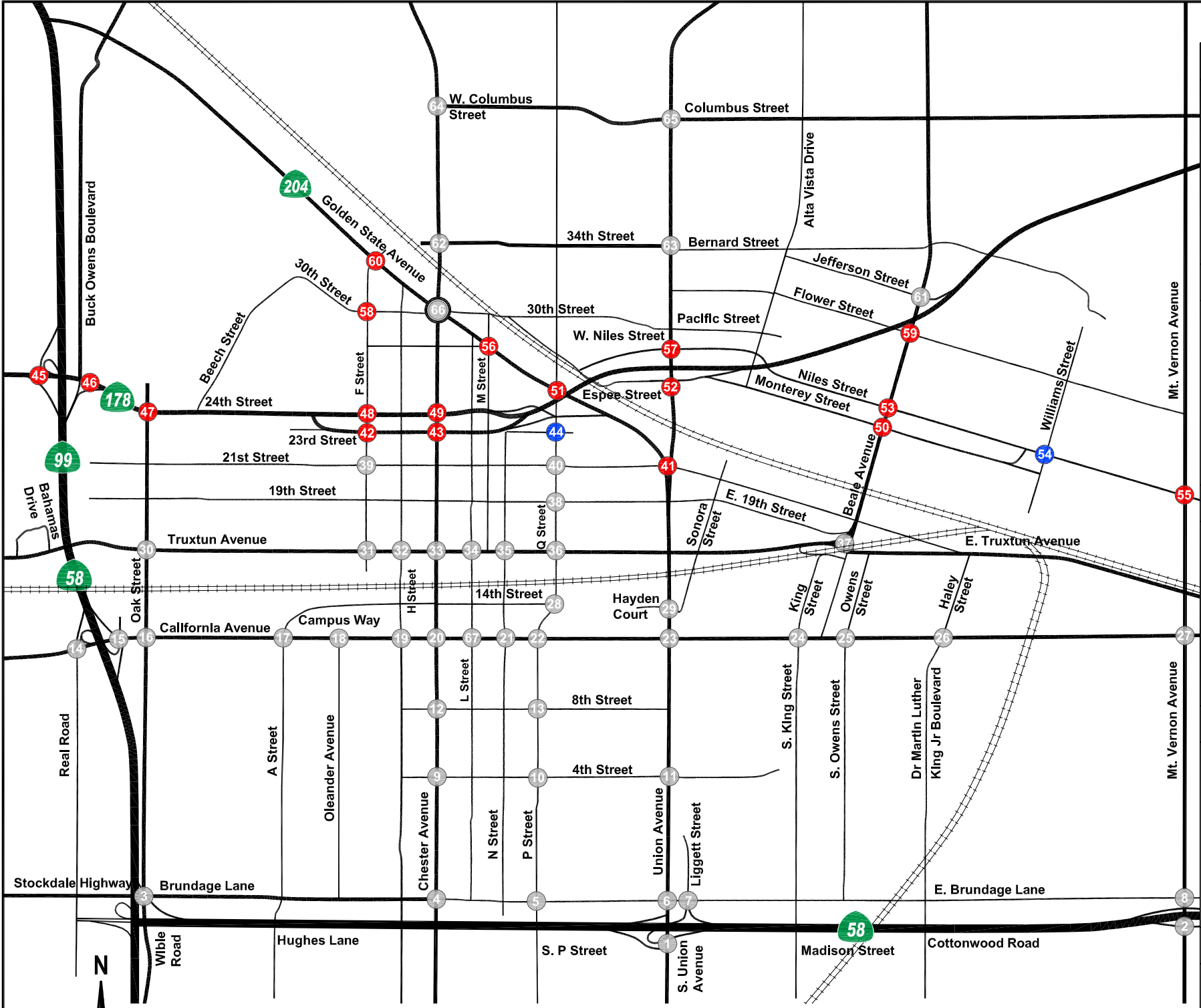
1. S. Union Avenue / SR 58 EB Ramps	2. Mt. Vernon Avenue / SR 58 EB Ramps	3. Wible Road / Oak Street / Brundage Lane/Stockdale Highway	4. Chester Avenue / Brundage Lane
5. P Street / Brundage Lane	6. Union Avenue / E. Brundage Lane	7. Liggett Street / E. Brundage Lane	8. Mt. Vernon Avenue / E. Brundage Lane
9. Chester Avenue / 4th Street	10. P Street / 4th Street	11. Union Avenue / 4th Street	12. Chester Avenue / 8th Street
13. P Street / 8th Street	14. Real Road / California Avenue / SR 99 SB Ramps	15. SR 99 NB Ramps / California Avenue	16. Oak Street / California Avenue
17. A Street / California Avenue / Campus Way	18. Oleander Avenue / California Avenue	19. H Street / California Avenue	20. Chester Avenue / California Avenue



= Signalized Intersection
 = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes

21. N Street / California Avenue	22. P Street / California Avenue	23. Union Avenue / California Avenue	24. King Street / California Avenue
25. Owens Street / California Avenue	26. Dr Martin Luther King Jr Blvd / Haley Street / California Avenue	27. Mt. Vernon Avenue / California Avenue	28. Q Street / 14th Street
29. Union Avenue / Hayden Court / Sonora Street	30. Oak Street / Truxtun Avenue	31. F Street / Truxtun Avenue	32. H Street / Truxtun Avenue
33. Chester Avenue / Truxtun Avenue	34. L Street / Truxtun Avenue	35. N Street / Truxtun Avenue	36. Q Street / Truxtun Avenue
37. E. Truxtun Avenue / Beale Avenue / E. 19th Street	38. Q Street / 19th Street	39. F Street / 21st Street	40. Q Street / 21st Street



- = Signalized Intersection
- = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes

Note:
*XX(XX) Volume going to Beale Ave
**XX(XX) Volume going to Frontage Rd
***XX(XX) Volume going to SR 99 SB On-Ramp

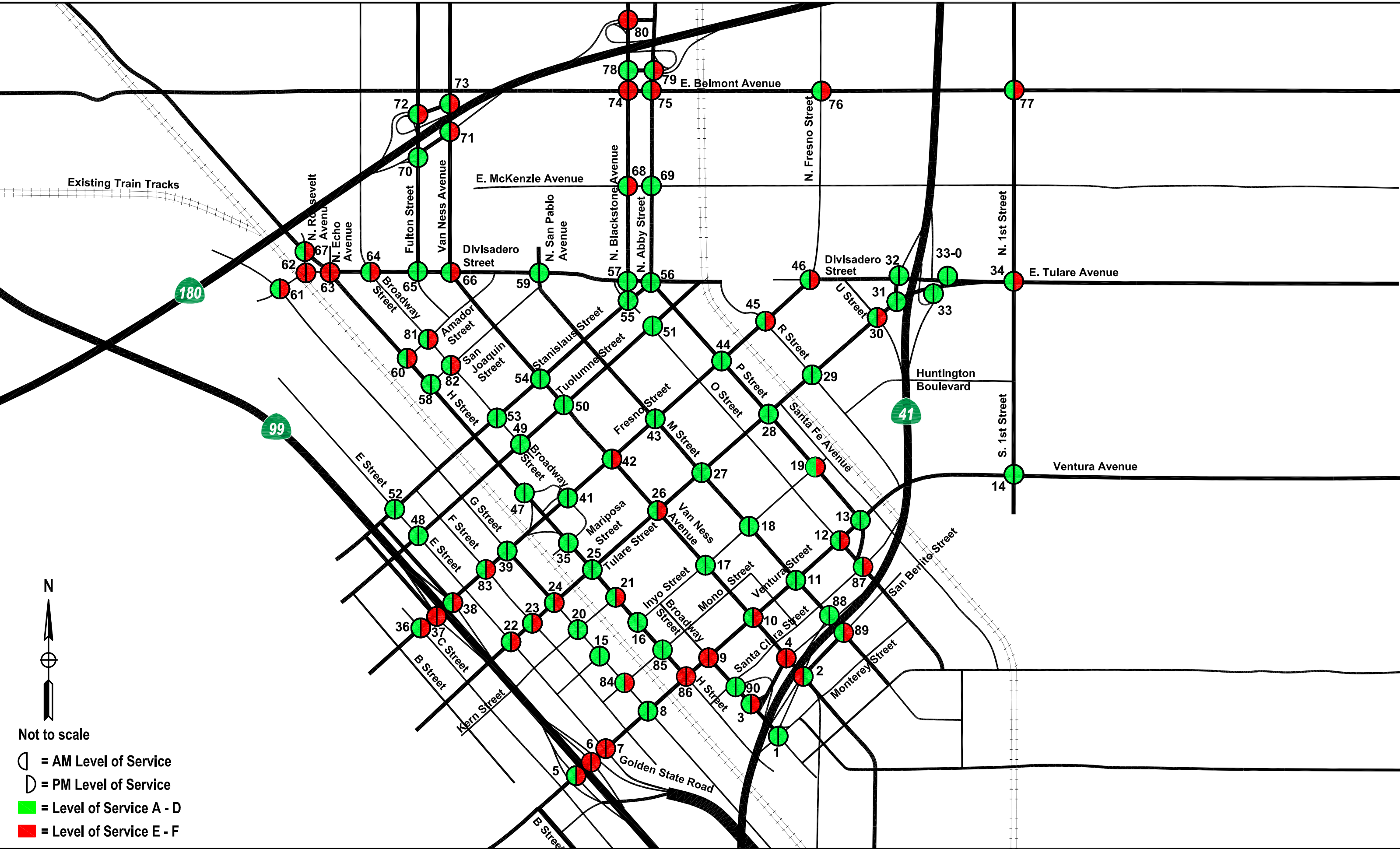
41. Union Avenue / Golden State Avenue / 21st Street 	42. F Street / 23rd Street 	43. Chester Avenue / 23rd Street 	44. Q Street / 23rd Street
45. SR 178 / SR 99 SB Ramps 	46. SR 178 / SR 99 NB Off-Ramp / Buck Owens Blvd 	47. Oak Street / SR 178 	48. F Street / 24th Street
49. Chester Avenue / 24th Street 	50. Beale Avenue / Monterey Street 	51. Q Street / Golden State Avenue 	52. Union Avenue / Espee Street
53. Beale Avenue / Niles Street 	54. Williams Street / Niles Street 	55. Mt. Vernon Avenue / Niles Street 	56. M Street / 28th Street / Golden State Avenue
57. Union Avenue / W. Niles Street 	58. F Street / 30th Street 	59. Beale Avenue / Flower Street 	60. F Street / Golden State Avenue

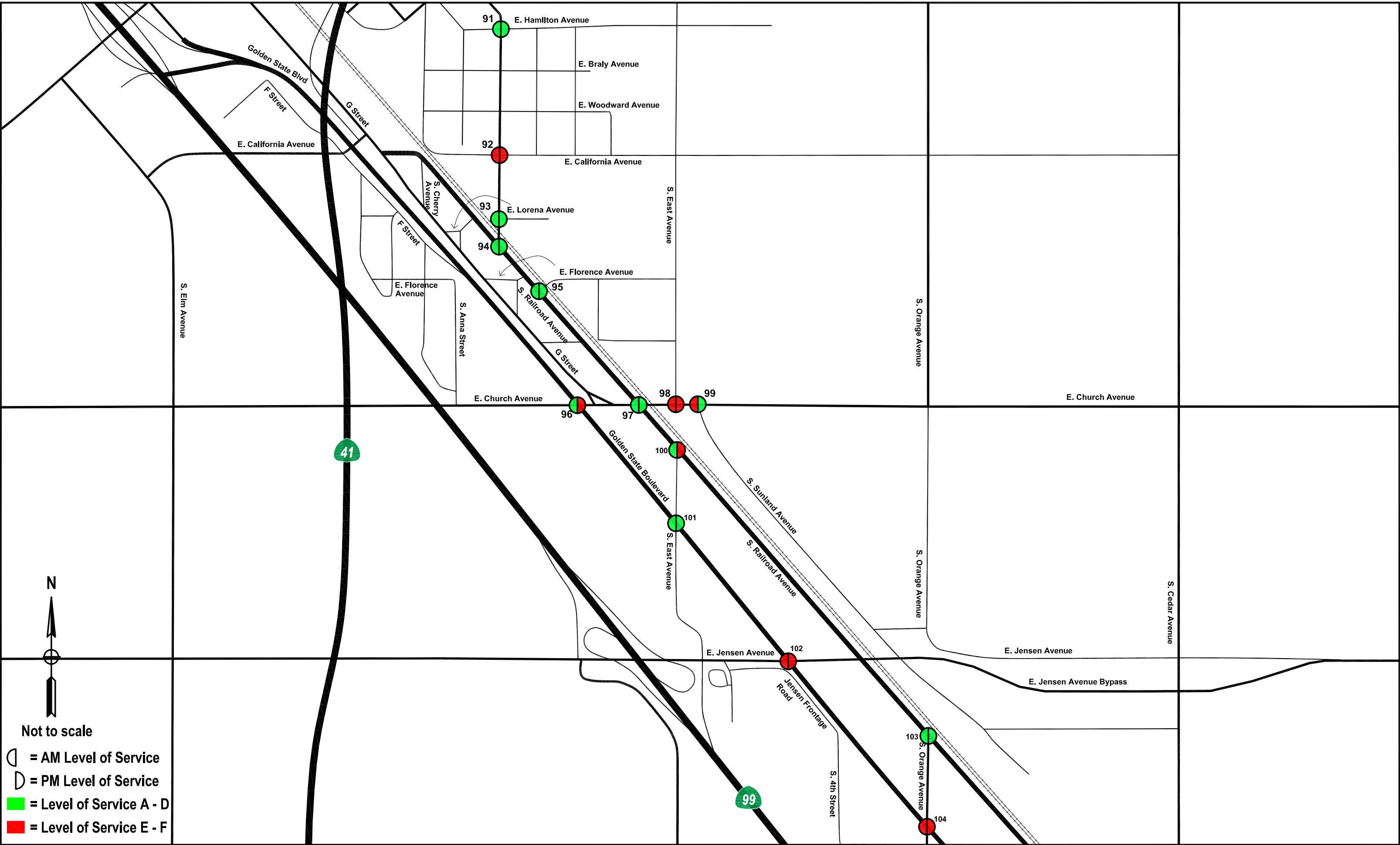


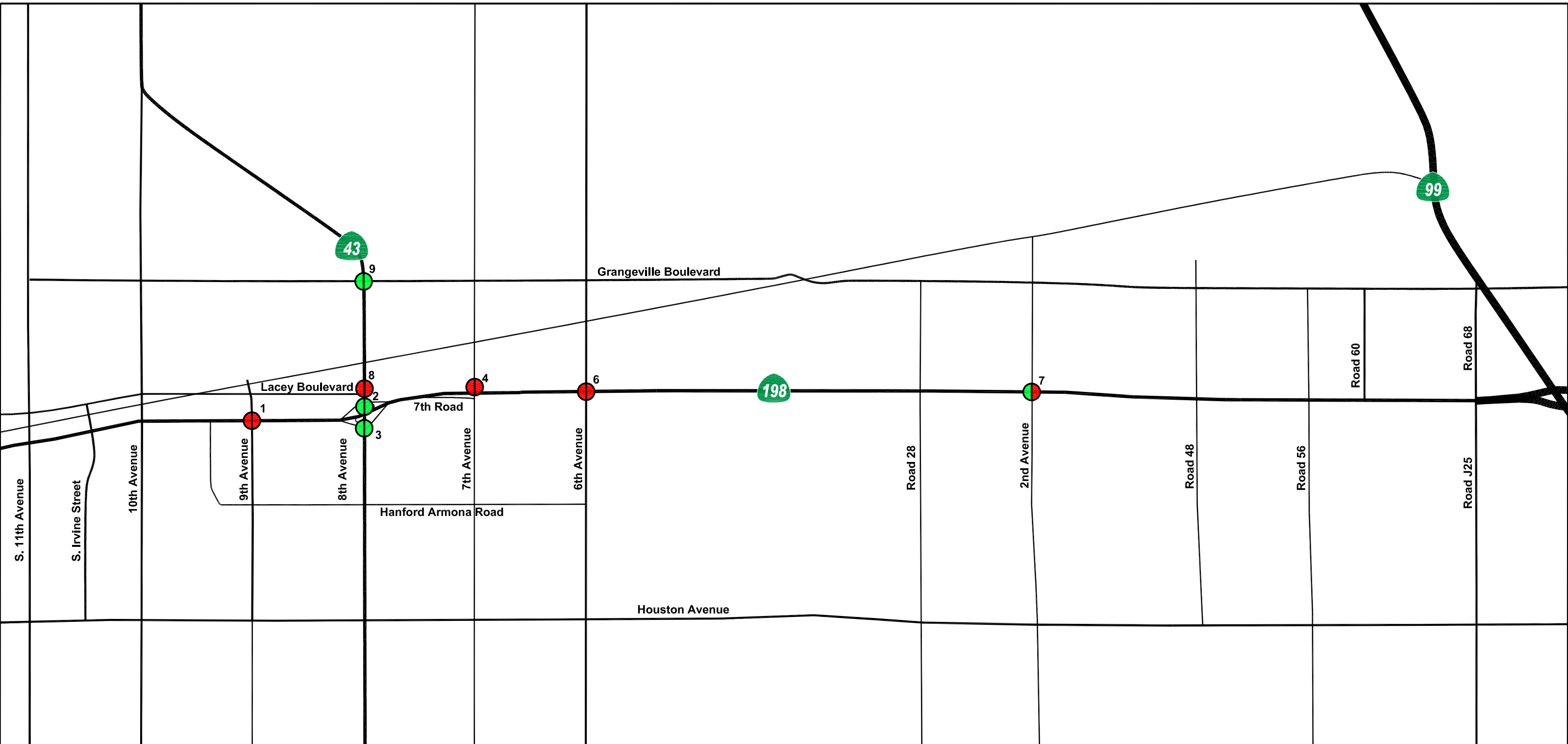
61. Beale Avenue / Jefferson Street	62. Chester Avenue / 34th Street	63. Union Avenue / 34th Street / Bernard Street	64. Chester Avenue / W. Columbus Street
65. Union Avenue / Columbus Street	66. Chester Avenue / 30th Street / SR 99 Ramps	67. L Street / California Avenue	


= Signalized Intersection
 = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes













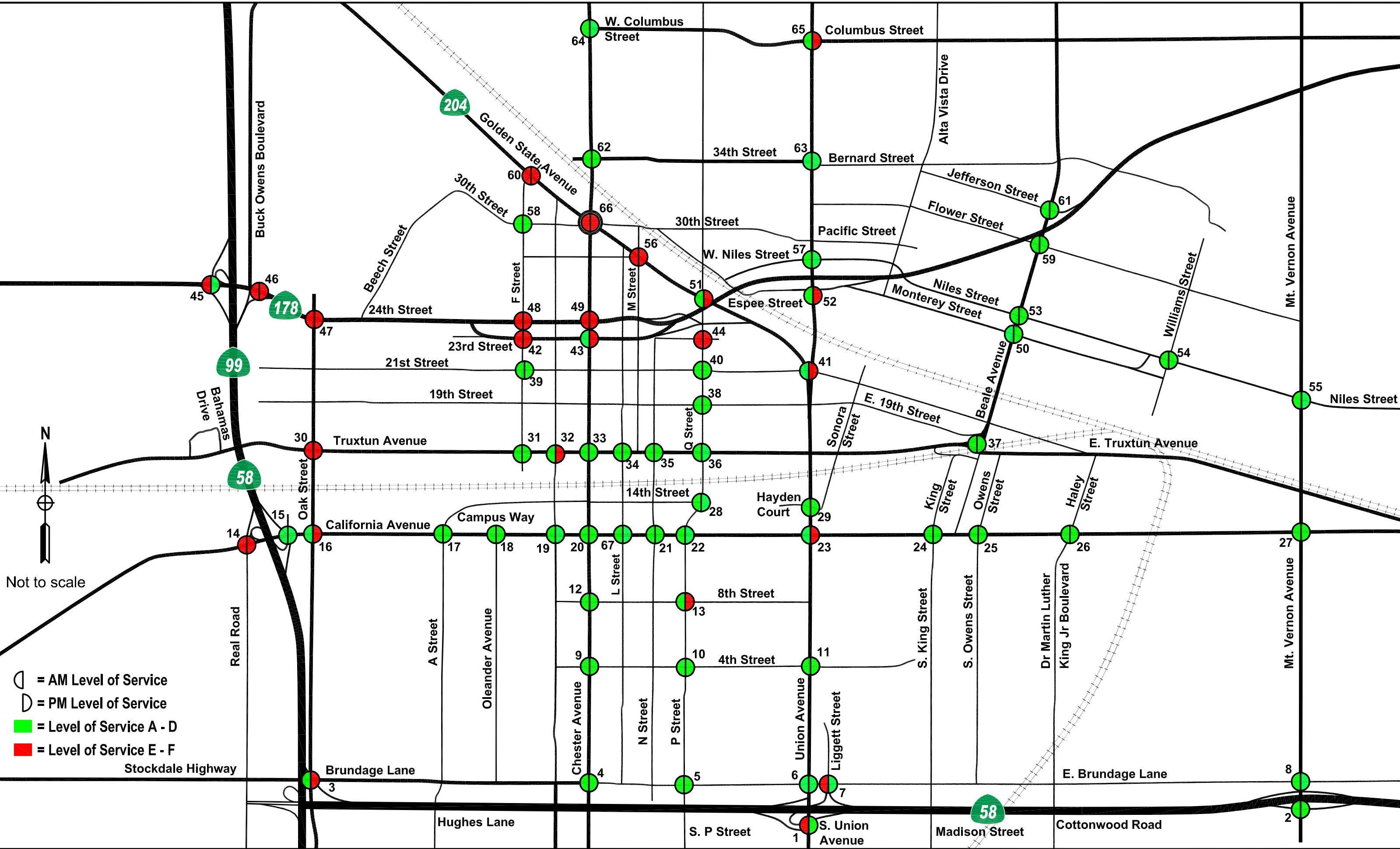
Not to scale

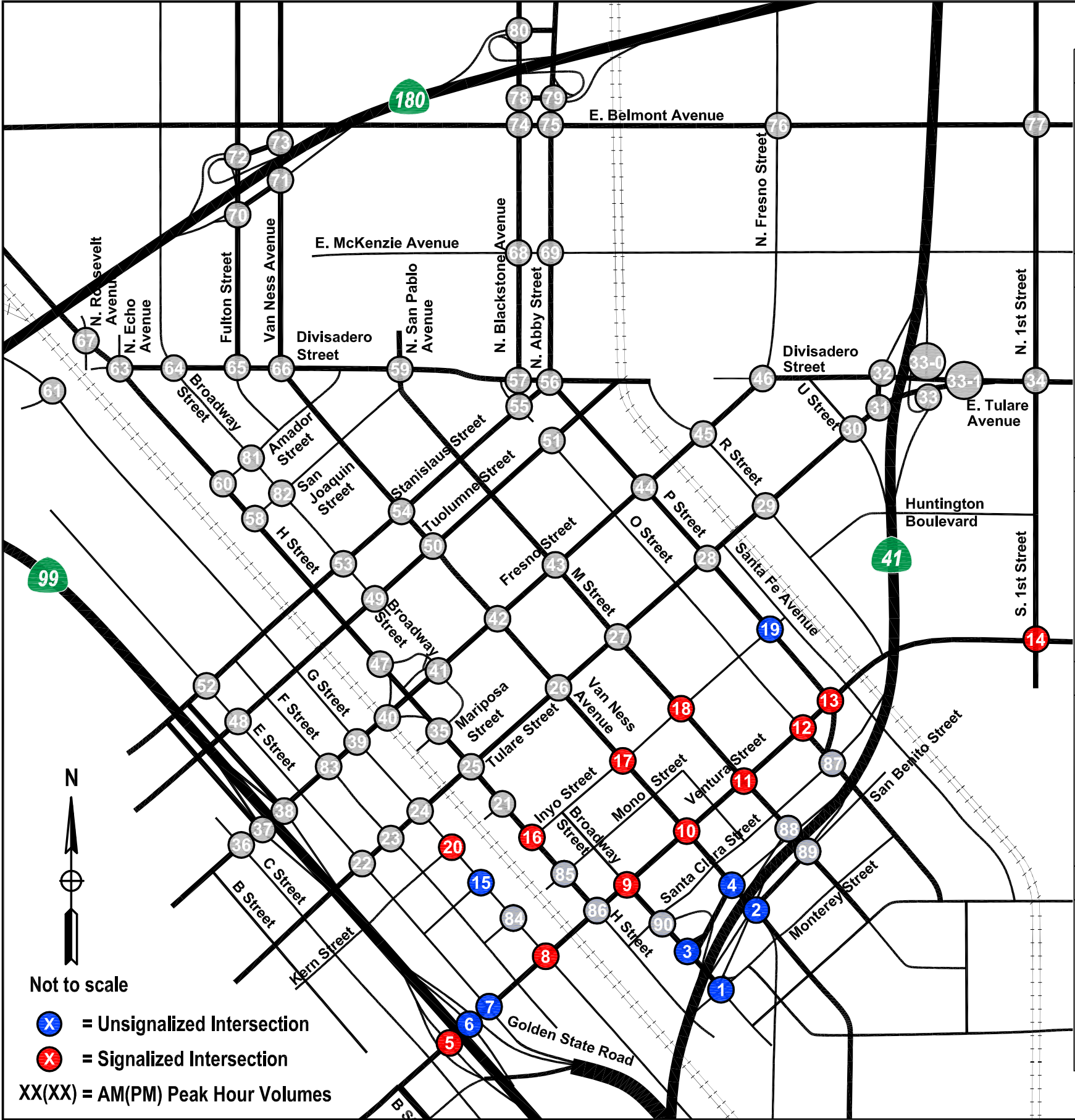
 = AM Level of Service

 = PM Level of Service

 = Level of Service A - D

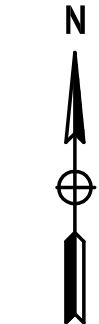
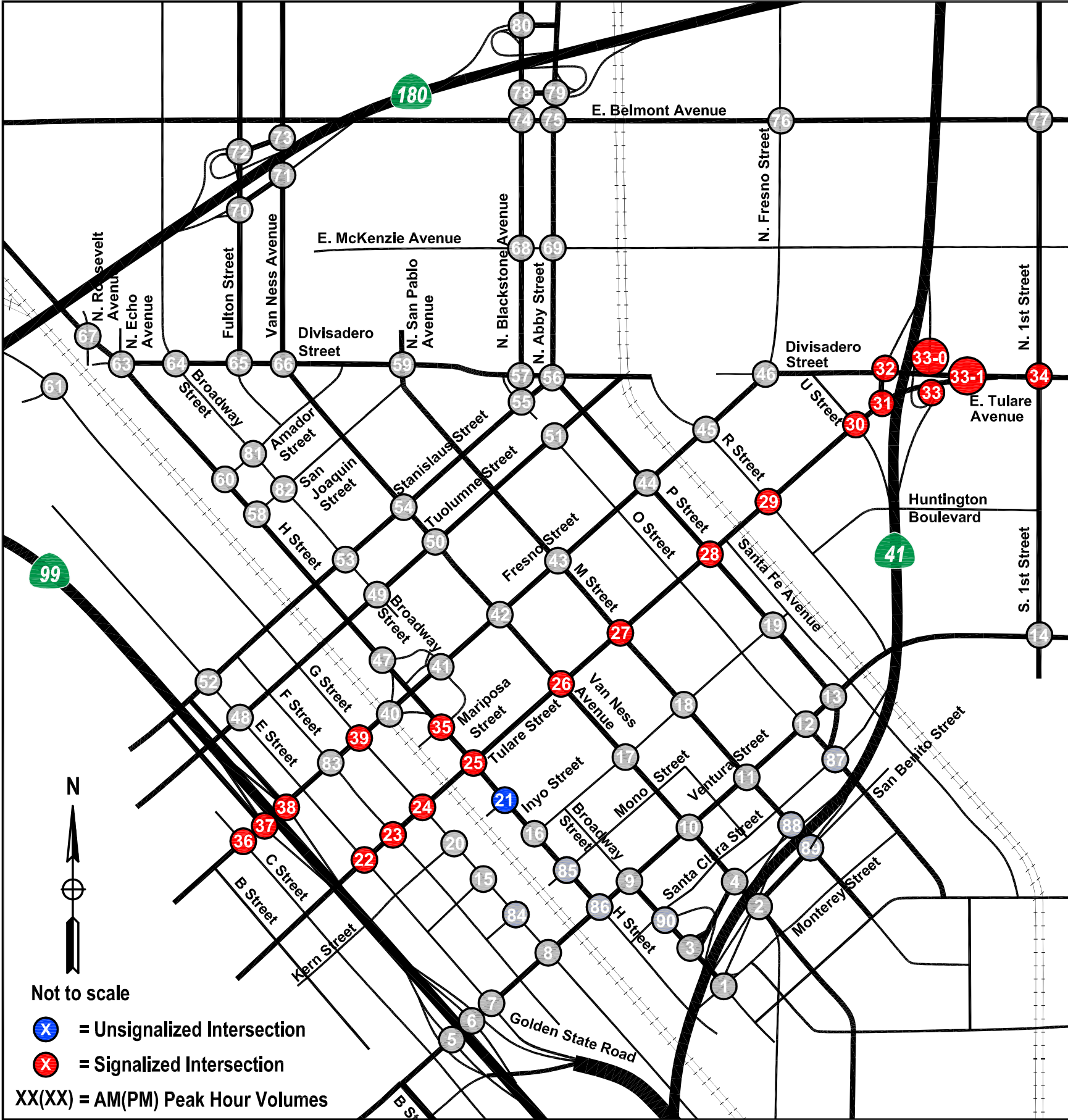
 = Level of Service E - F





1. Broadway Street / SR 41 NB On-Ramp / Monterey Street	2. Van Ness Avenue / SR 41 NB Off-Ramp / San Benito Street	3. Broadway Street / SR 41 SB Off-Ramp	4. Van Ness Avenue / SR 41 SB Off-Ramp
5. SR 99 SB Ramps / Ventura Avenue	6. SR 99 NB Ramps / Ventura Avenue	7. E Street / Ventura Avenue	8. G Street / Ventura Avenue
9. Broadway Street / Ventura Avenue	10. Van Ness Avenue / Ventura Street	11. M Street / Ventura Street	12. O Street / Ventura Avenue
13. P Street / Ventura Avenue	14. S. 1st Street / Ventura Avenue	15. G Street / Inyo Street	16. H Street / Inyo Street
17. Van Ness Street / Inyo Street	18. M Street / Inyo Street	19. P Street / Inyo Street	20. G Street / Kern Street

Note:
*XX(XX) Volume going to SR 41 NB On-Ramp



Not to scale

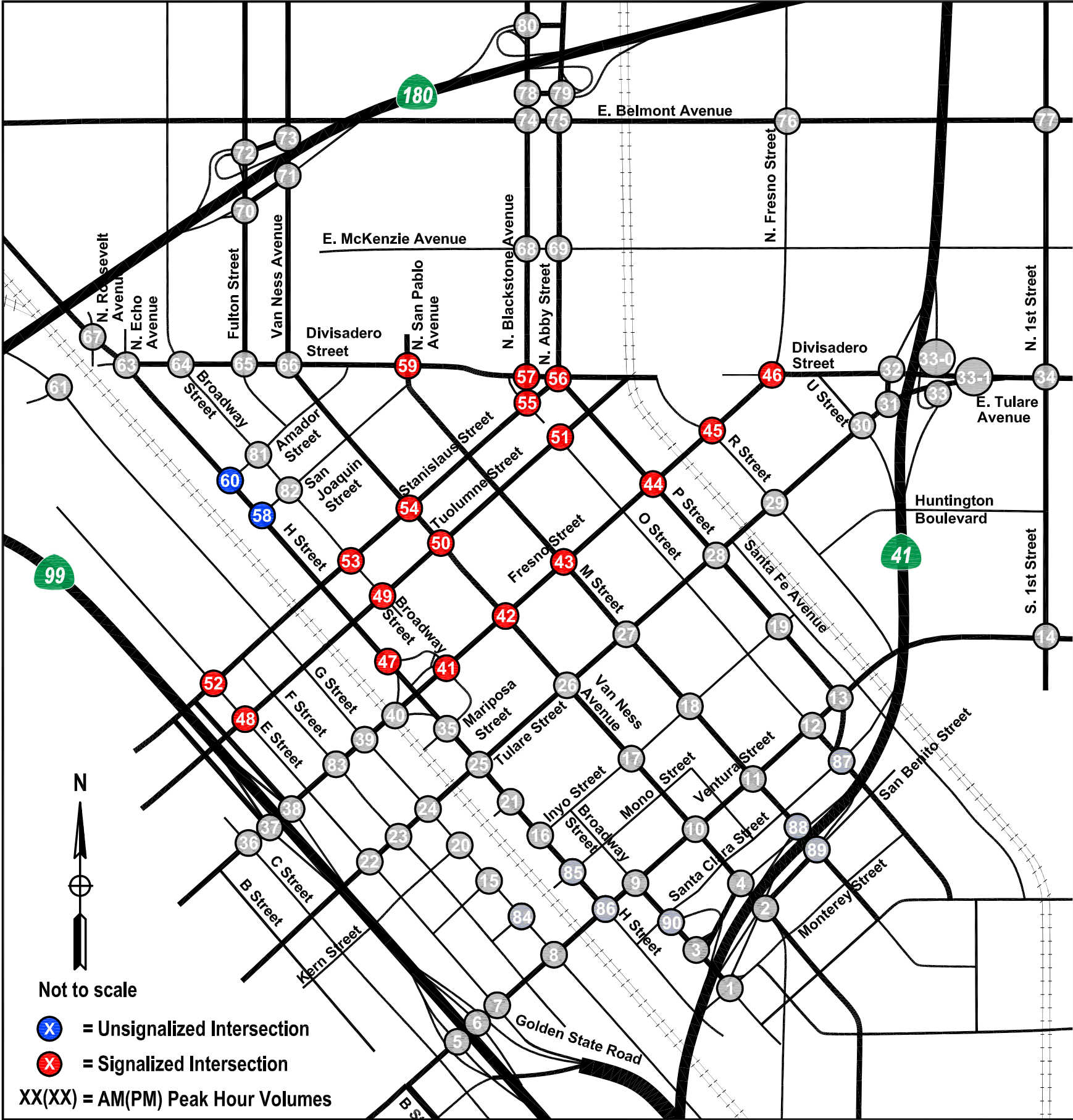
= Unsignalized Intersection

= Signalized Intersection

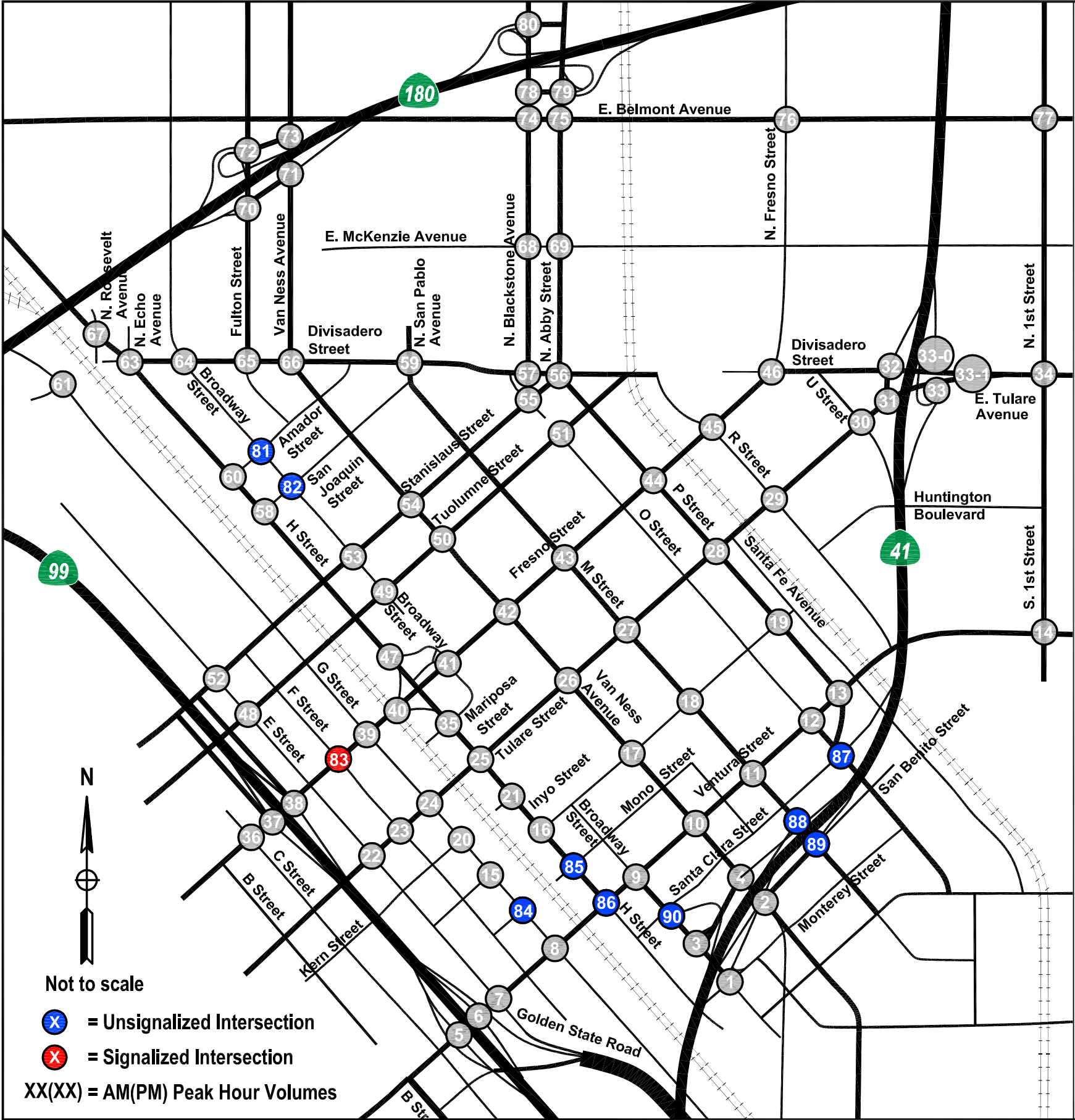
XX(XX) = AM(PM) Peak Hour Volumes

21. H Street / Kern Street (Parking Lot)	22. E Street / Tulare Street	23. F Street / Tulare Street	24. G Street / Tulare Street
25. H Street / Tulare Street	26. Van Ness Avenue / Tulare Street	27. M Street / Tulare Street	28. P Street / Tulare Street
29. R Street / Tulare Street	30. U Street / Tulare Street	31. Divisadero Street Off-Ramp / Tulare Street	32. SR 41 SB Off-Ramp / Divisadero Street
33. SR 41 NB Ramps / Tulare Street	33-0. SR 41 NB On-Ramp / E. Divisadero Street	34. N. 1st Street / Tulare Street	35. H Street / Mariposa Street / Fresno Street Ramp
36. C Street / Fresno Street	37. SR 99 SB Ramps / Fresno Street	38. SR 99 NB Ramps / Fresno Street	39. G Street / Fresno Street

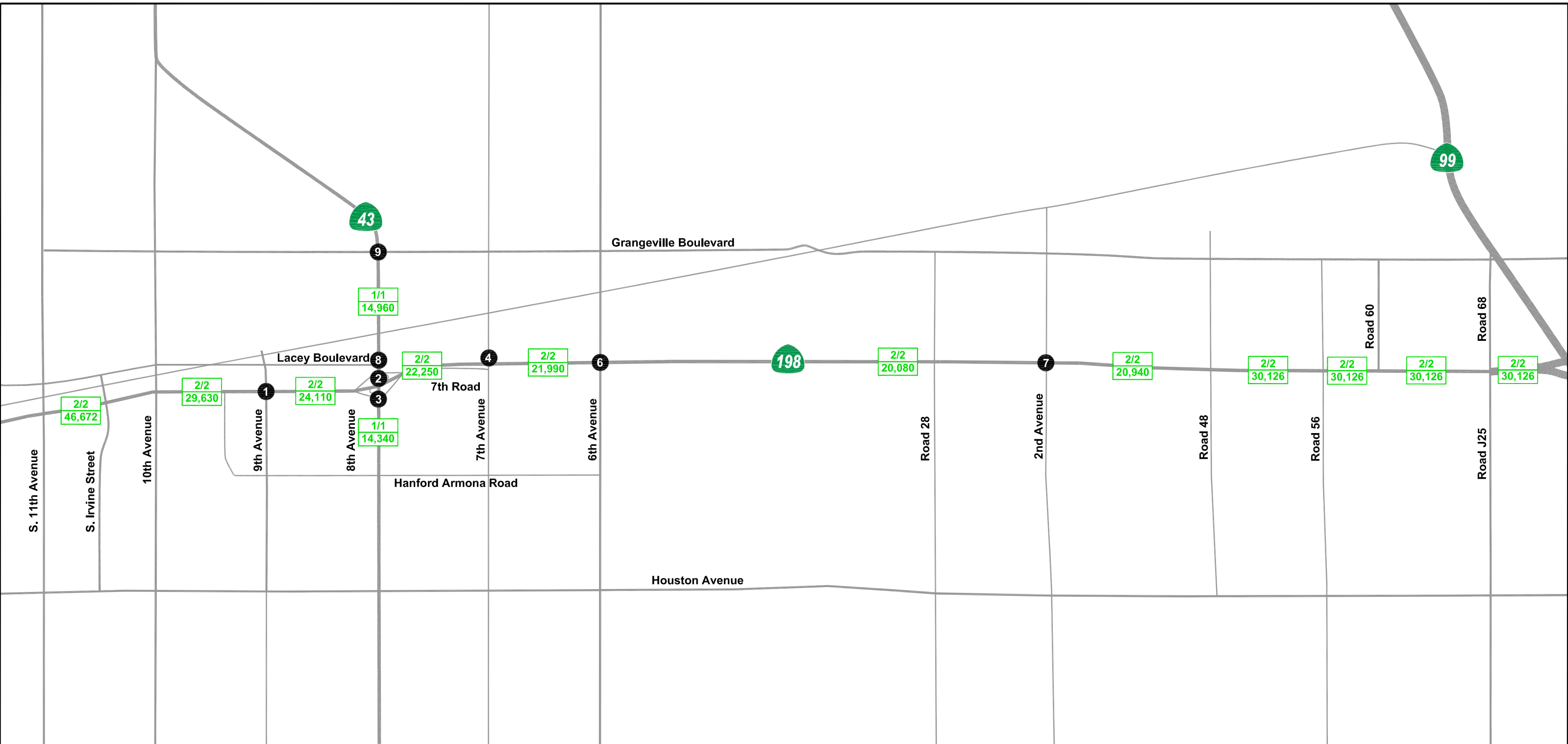
Note:
*XX(XX) Volume going to SR 41 NB On-Ramp




41. Broadway Street / Fresno Street 	42. Van Ness Avenue / Fresno Street 	43. M Street / Fresno Street 	44. P Street / Fresno Street
45. R Street / Fresno Street 	46. Fresno Street / Divisadero Street 	47. H Street / Broadway Street / Fresno Street Ramp 	48. E Street / Tuolumne Street
49. Broadway / Tuolumne Street 	50. Van Ness Avenue / Tuolumne Street 	51. O Street / Tuolumne Street 	52. E Street / Stanislaus Street
53. Broadway Street / Stanislaus Street 	54. Van Ness Avenue / Stanislaus Street 	55. N. Blackstone Avenue / Stanislaus Street / O Street 	56. N. Abby Street / Divisadero Street / P Street / Stanislaus Street
57. N. Blackstone Avenue / Divisadero Street 	58. H Street / San Joaquin Street 	59. M Street / Divisadero Street / N. San Pablo Avenue 	60. H Street / Amador Street




81. Broadway Street / Amador Street	82. Broadway Street / San Joaquin Street	83. F Street / Fresno Street	84. G Street / Mono Street
85. H Street / Mono Street (Parking Lot)	86. H Street / Ventura Street	87. O Street / Santa Clara Street - SR 41 SB Off-Ramp	88. M Street / SR 41 SB On-Ramp
89. M Street / San Benito Street - SR 41 NB On-Ramp	90. Broadway Street / Santa Clara Street - SR 41 SB Loop On-Ramp		

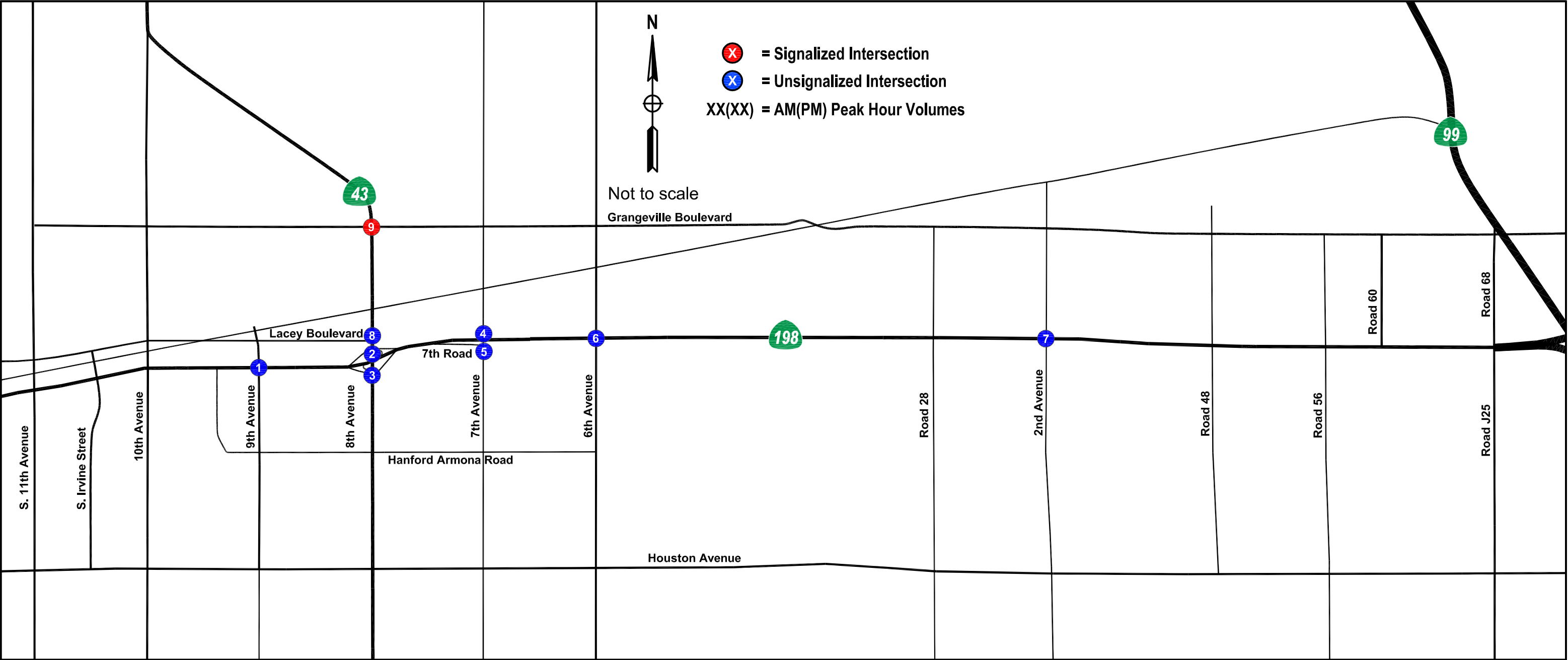




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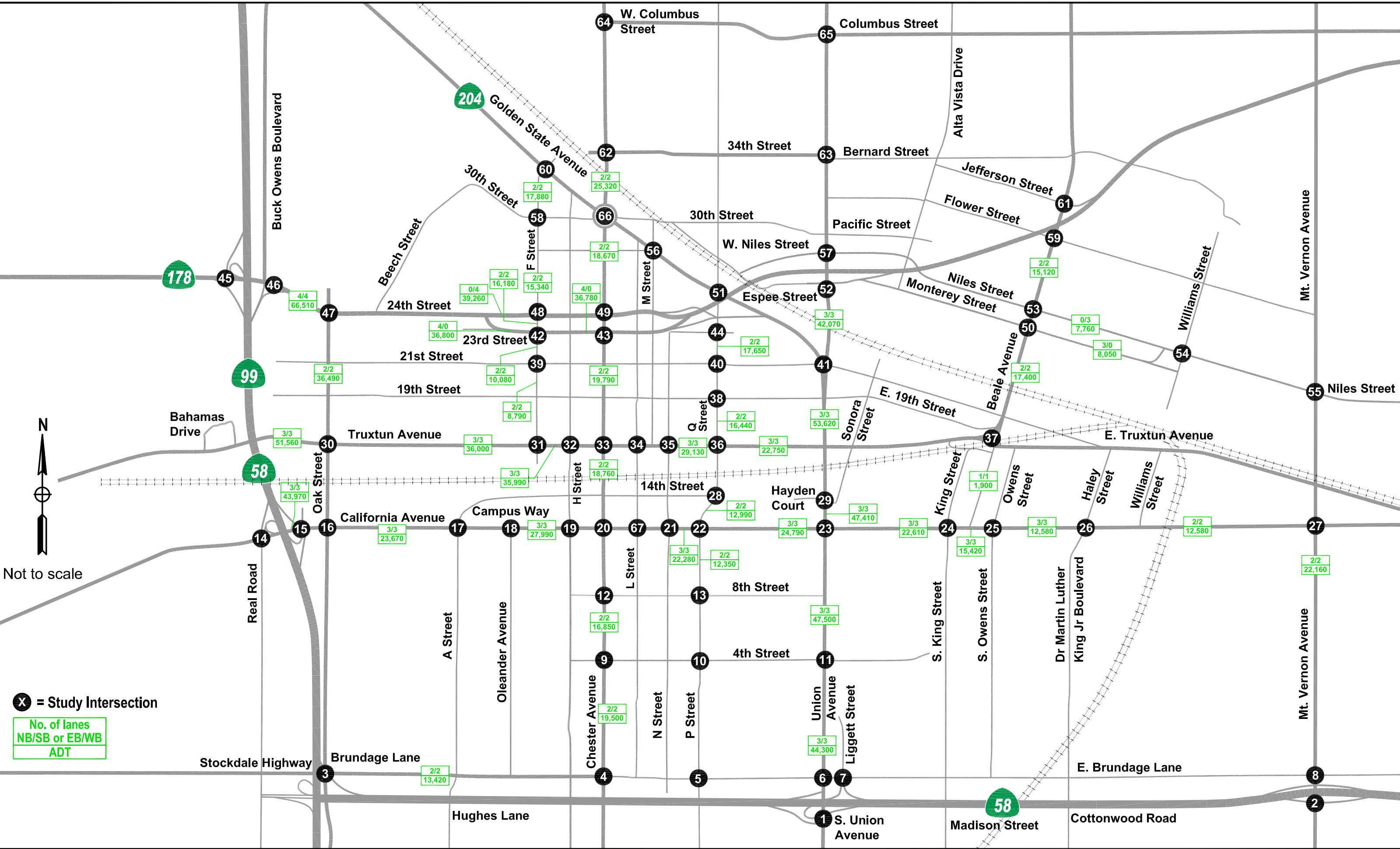
No. of lanes
NB/SB or EB/WB
ADT

 = Study Intersections



1. 9th Avenue / SR 198	2. 8th Avenue / SR 198 WB Ramps	3. 8th Avenue / SR 198 EB Ramps	4. 7th Avenue / SR 198	5. 7th Avenue / 7th Road	6. 6th Avenue / SR 198	7. 2nd Avenue / SR 198	8. SR 43 / Lacey Boulevard	9. SR 43 / Grangeville Boulevard
				INTERSECTION NOT TO BE ANALYZED				







Note:
*XX(X) Volume going to SR 58 EB On-Ramp
**XX(X) Volume going to SR 99 SB On-Ramp
***XX(X) Volume going to SR 99 NB On-Ramp

1. S. Union Avenue / SR 58 EB Ramps	2. Mt. Vernon Avenue / SR 58 EB Ramps	3. Wible Road / Oak Street / Brundage Lane/Stockdale Highway	4. Chester Avenue / Brundage Lane
5. P Street / Brundage Lane	6. Union Avenue / E. Brundage Lane	7. Liggett Street / E. Brundage Lane	8. Mt. Vernon Avenue / E. Brundage Lane
9. Chester Avenue / 4th Street	10. P Street / 4th Street	11. Union Avenue / 4th Street	12. Chester Avenue / 8th Street
13. P Street / 8th Street	14. Real Road / California Avenue / SR 99 SB Ramps	15. SR 99 NB Ramps / California Avenue	16. Oak Street / California Avenue
17. A Street / California Avenue / Campus Way	18. Oleander Avenue / California Avenue	19. H Street / California Avenue	20. Chester Avenue / California Avenue



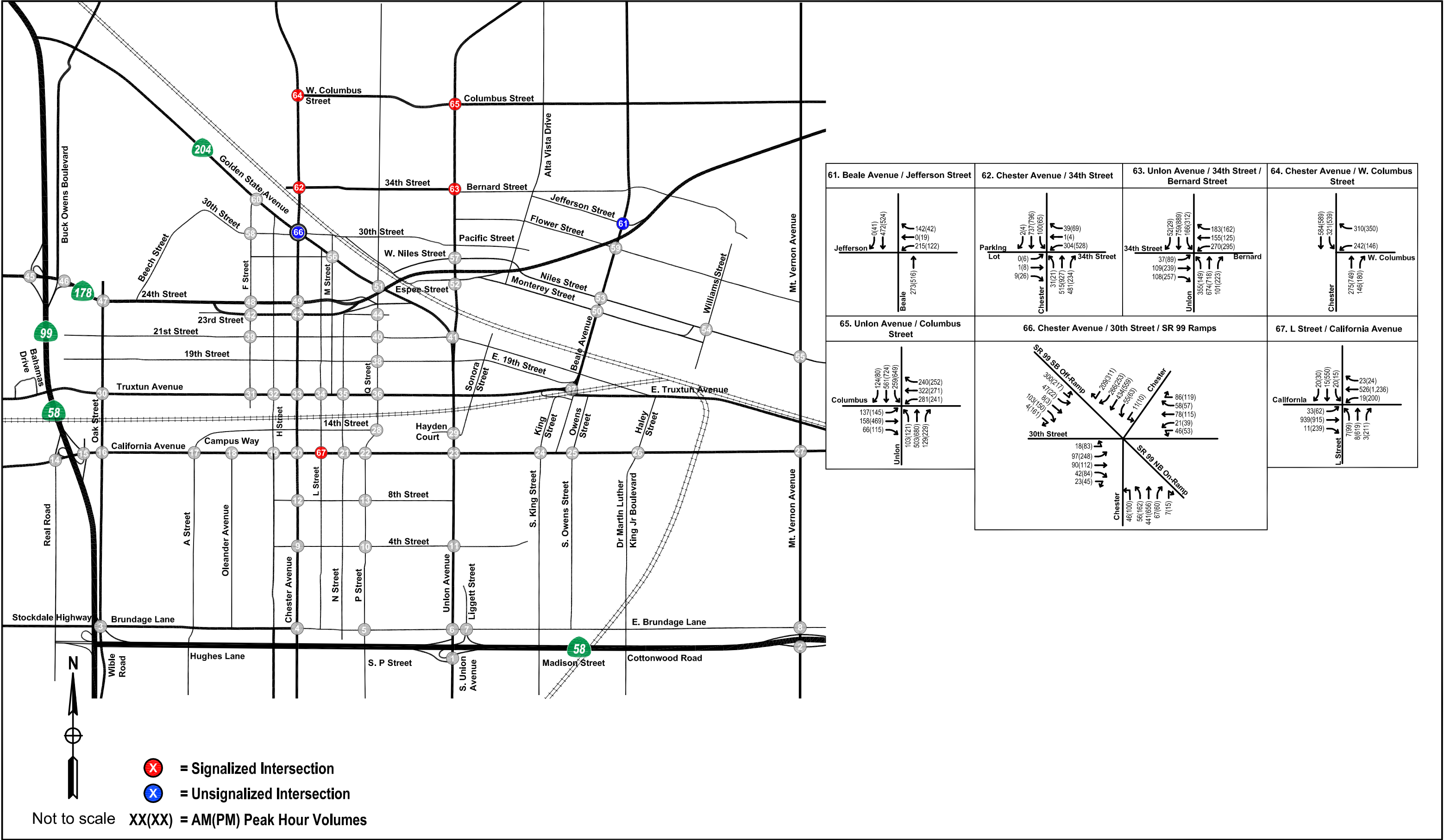
= Signalized Intersection
 = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes

21. N Street / California Avenue 	22. P Street / California Avenue 	23. Union Avenue / California Avenue 	24. King Street / California Avenue
25. Owens Street / California Avenue 	26. Dr Martin Luther King Jr Blvd / Haley Street / California Avenue 	27. Mt. Vernon Avenue / California Avenue 	28. Q Street / 14th Street
29. Union Avenue / Hayden Court / Sonora Street 	30. Oak Street / Truxtun Avenue 	31. F Street / Truxtun Avenue 	32. H Street / Truxtun Avenue
33. Chester Avenue / Truxtun Avenue 	34. L Street / Truxtun Avenue 	35. N Street / Truxtun Avenue 	36. Q Street / Truxtun Avenue
37. E. Truxtun Avenue / Beale Avenue / E. 19th Street 	38. Q Street / 19th Street 	39. F Street / 21st Street 	40. Q Street / 21st Street



41. Union Avenue / Golden State Avenue / 21st Street 	42. F Street / 23rd Street 	43. Chester Avenue / 23rd Street 	44. Q Street / 23rd Street
45. SR 178 / SR 99 SB Ramps 	46. SR 178 / SR 99 NB Off-Ramp / Buck Owens Blvd 	47. Oak Street / SR 178 	48. F Street / 24th Street
49. Chester Avenue / 24th Street 	50. Beale Avenue / Monterey Street 	51. Q Street / Golden State Avenue 	52. Union Avenue / Espee Street
53. Beale Avenue / Niles Street 	54. Williams Street / Niles Street 	55. Mt. Vernon Avenue / Niles Street 	56. M Street / 28th Street / Golden State Avenue
57. Union Avenue / W. Niles Street 	58. F Street / 30th Street 	59. Beale Avenue / Flower Street 	60. F Street / Golden State Avenue



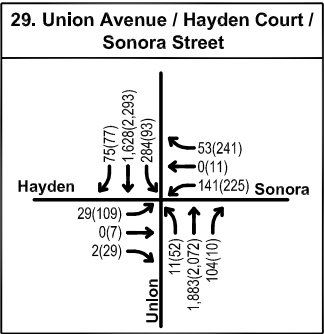
61. Beale Avenue / Jefferson Street	62. Chester Avenue / 34th Street	63. Union Avenue / 34th Street / Bernard Street	64. Chester Avenue / W. Columbus Street
65. Union Avenue / Columbus Street	66. Chester Avenue / 30th Street / SR 99 Ramps	67. L Street / California Avenue	



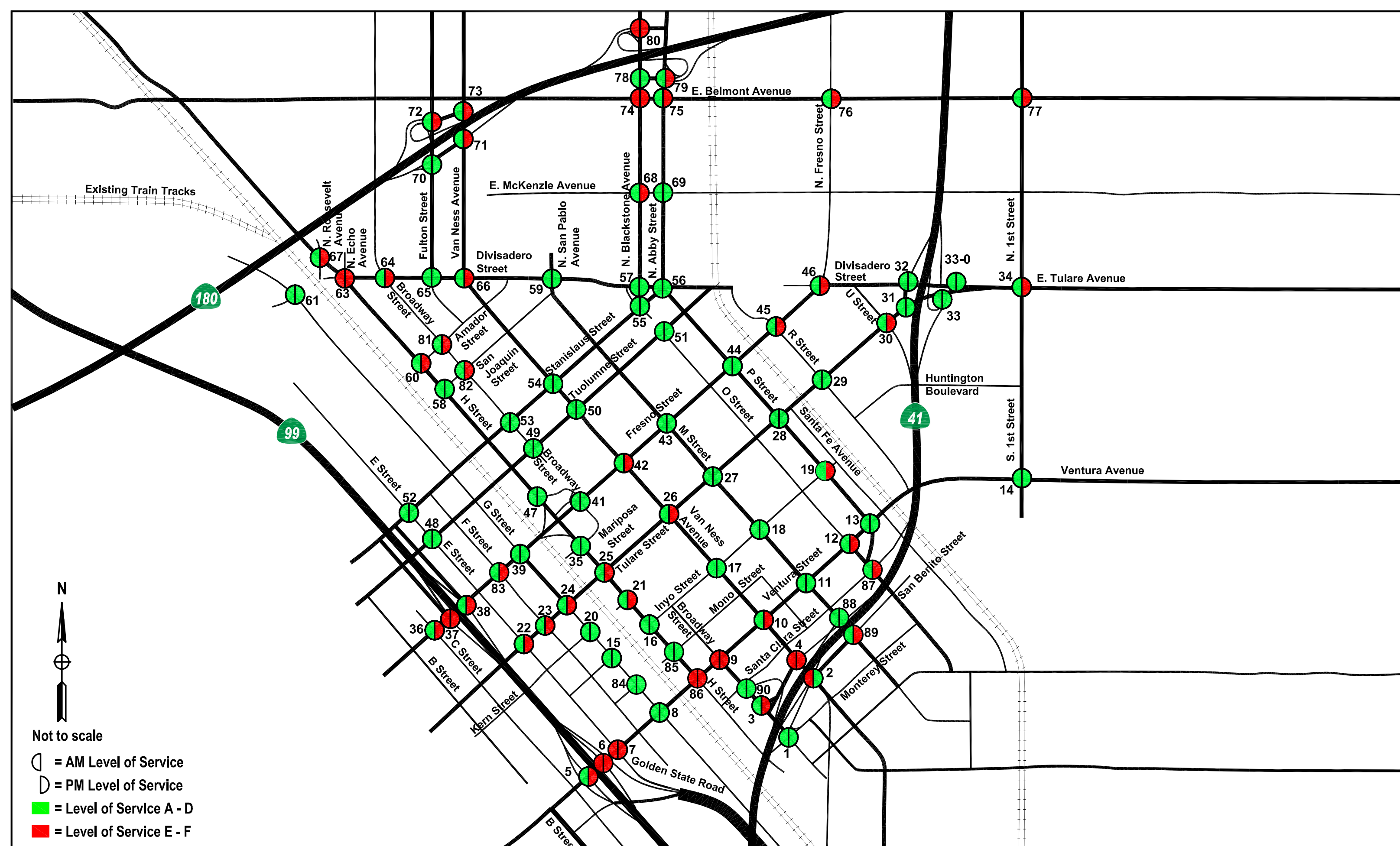
 = Signalized Intersection

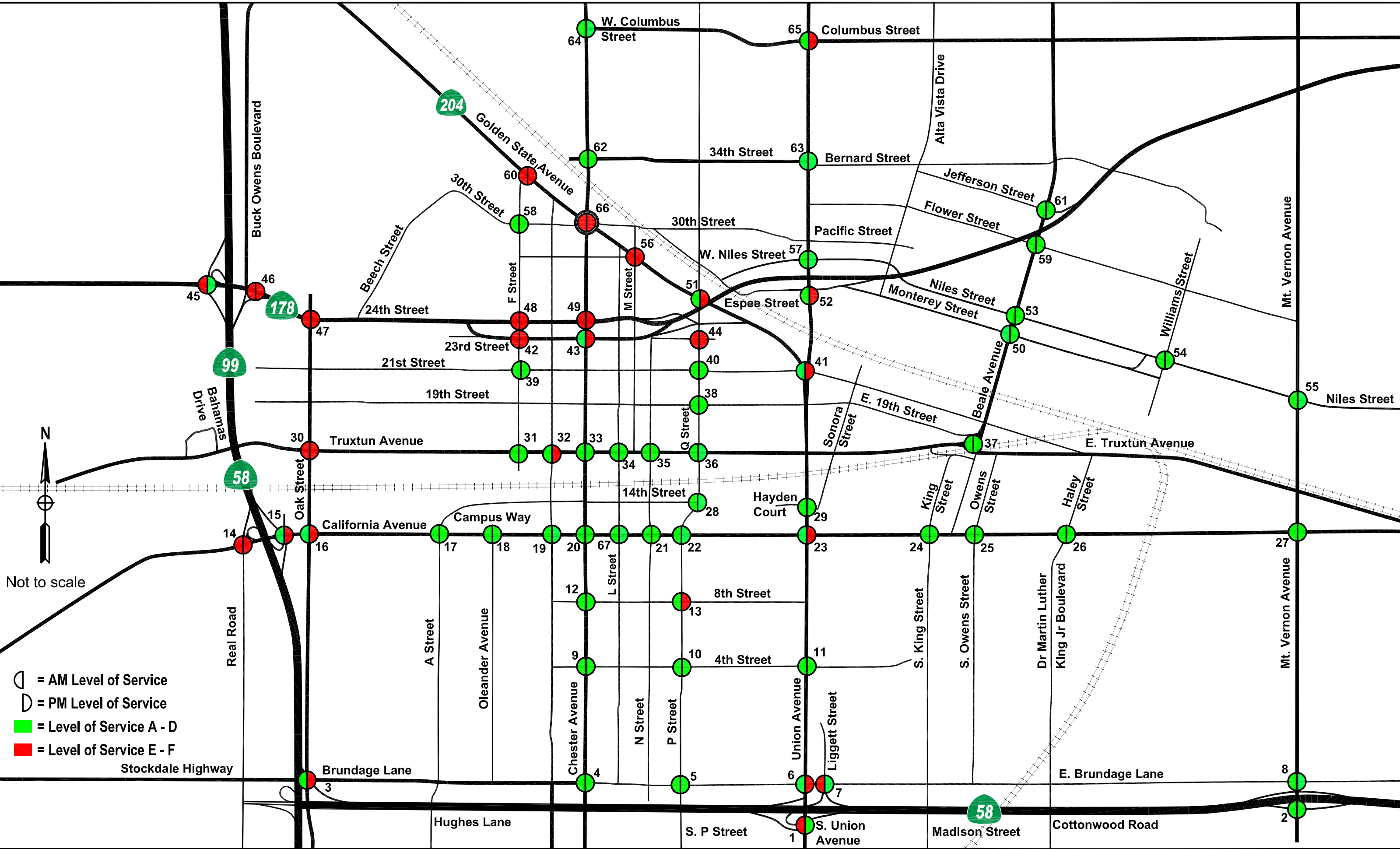
 = Unsignalized Intersection

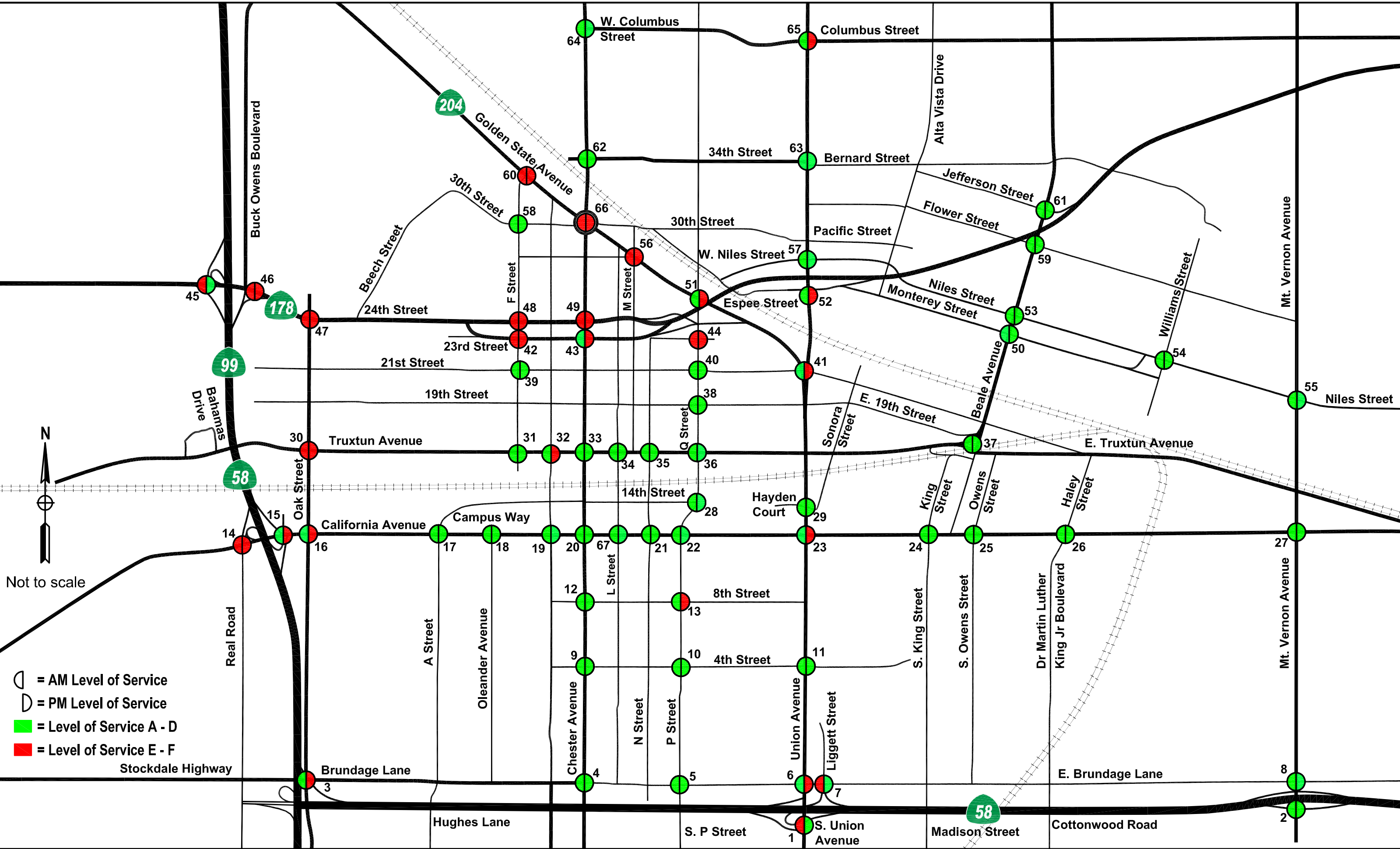
Not to scale XX(XX) = AM(PM) Peak Hour Volumes

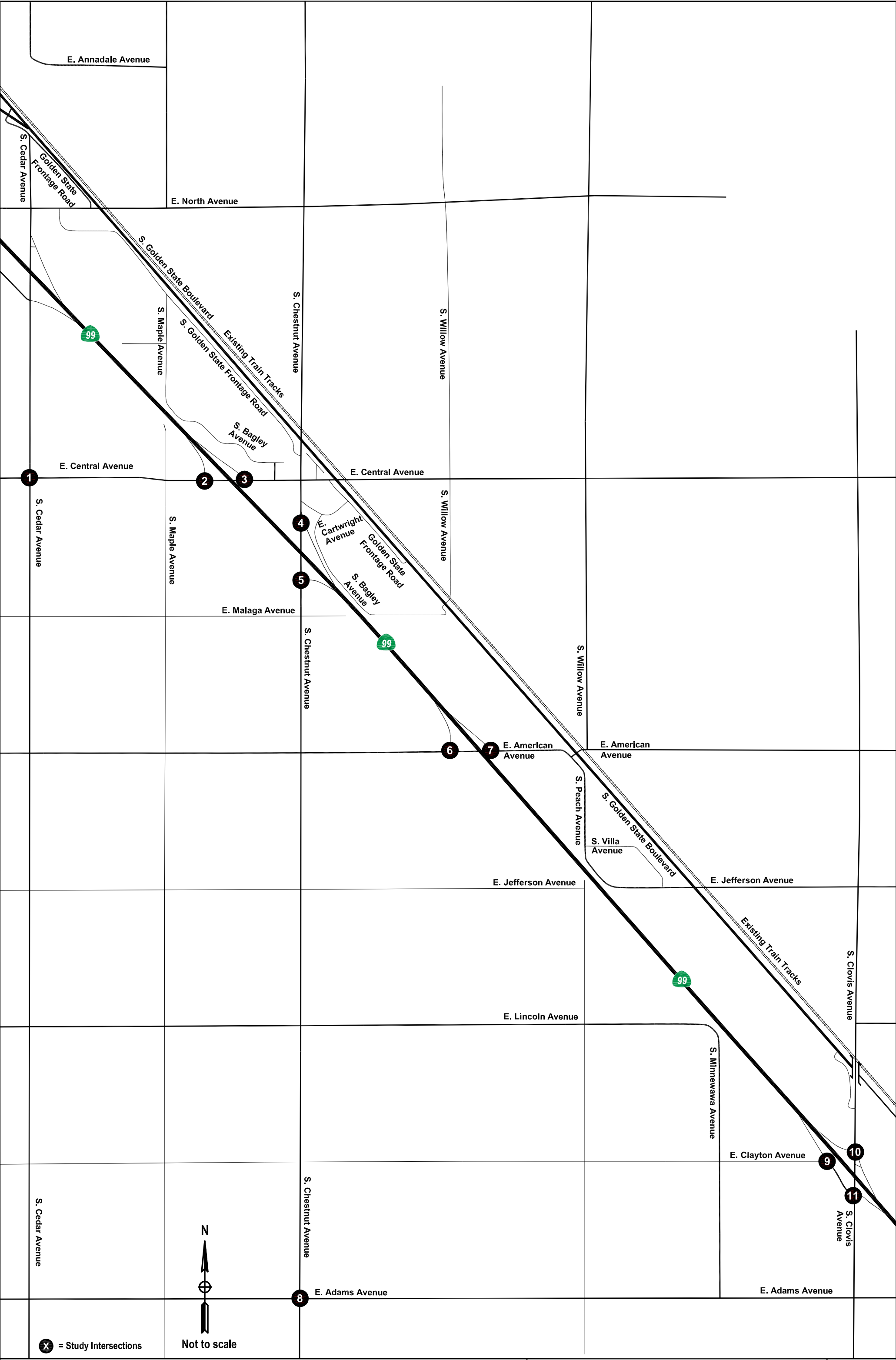


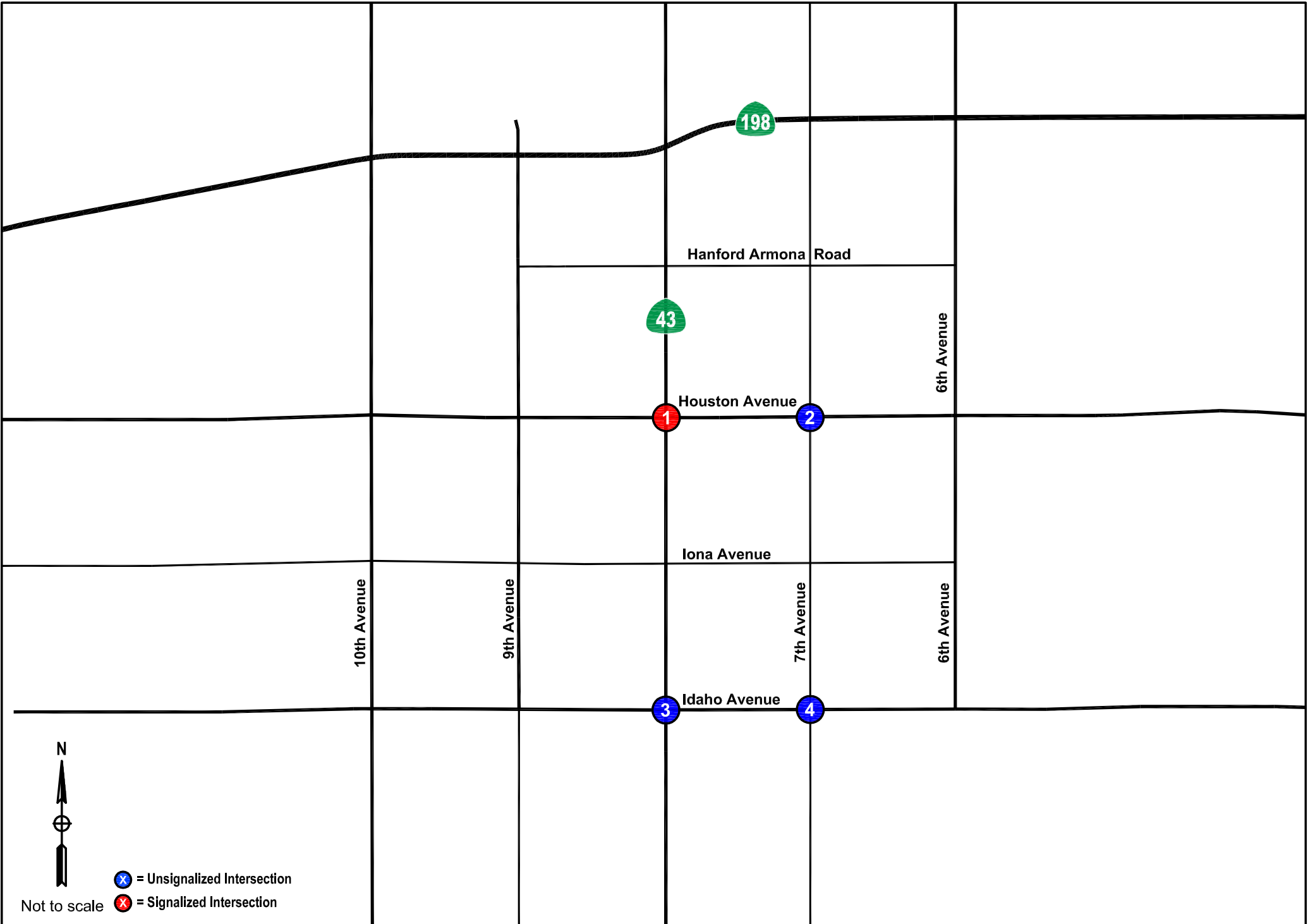
Note:
All intersections volumes are the same as South Alternative besides the one listed here.

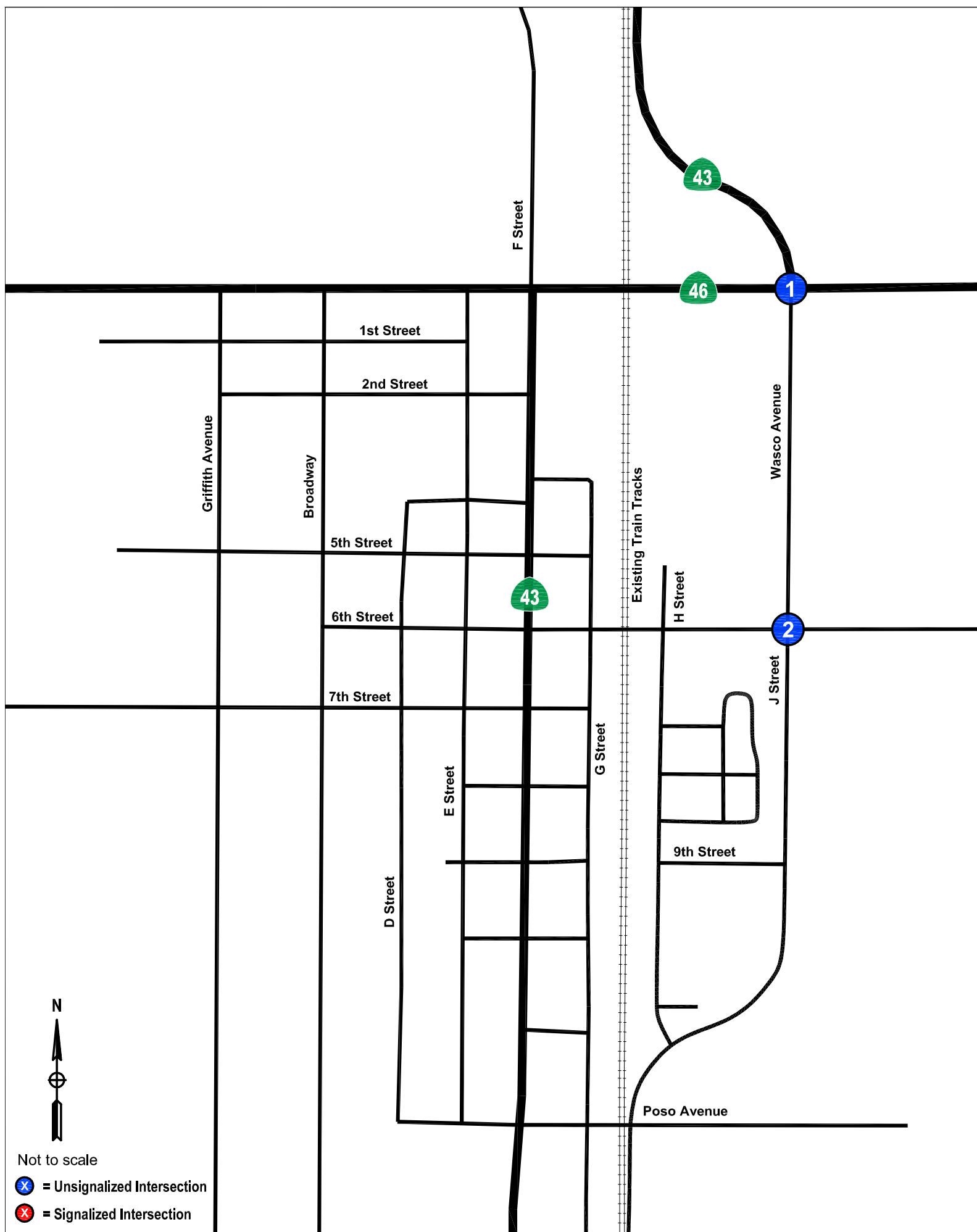


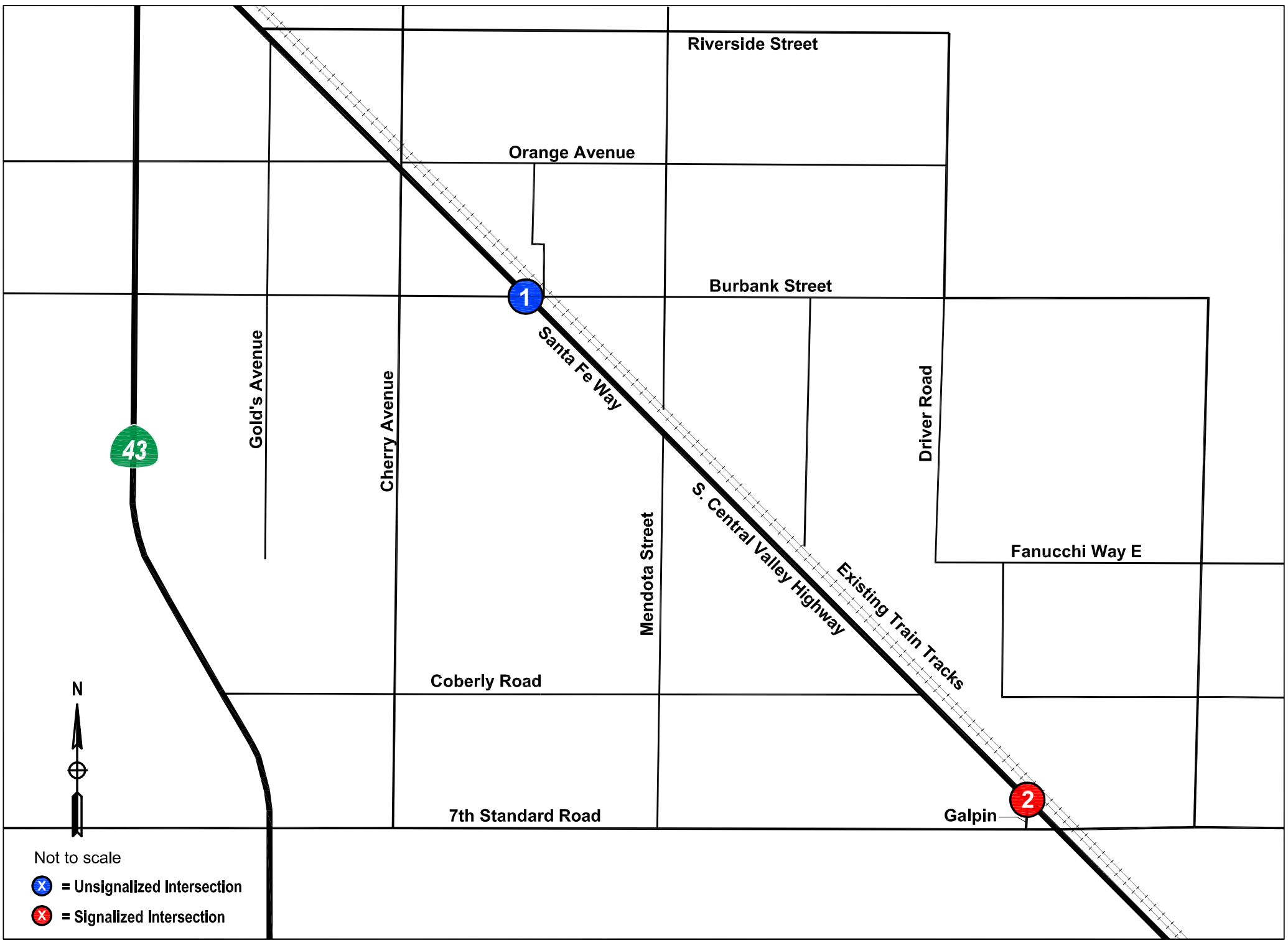


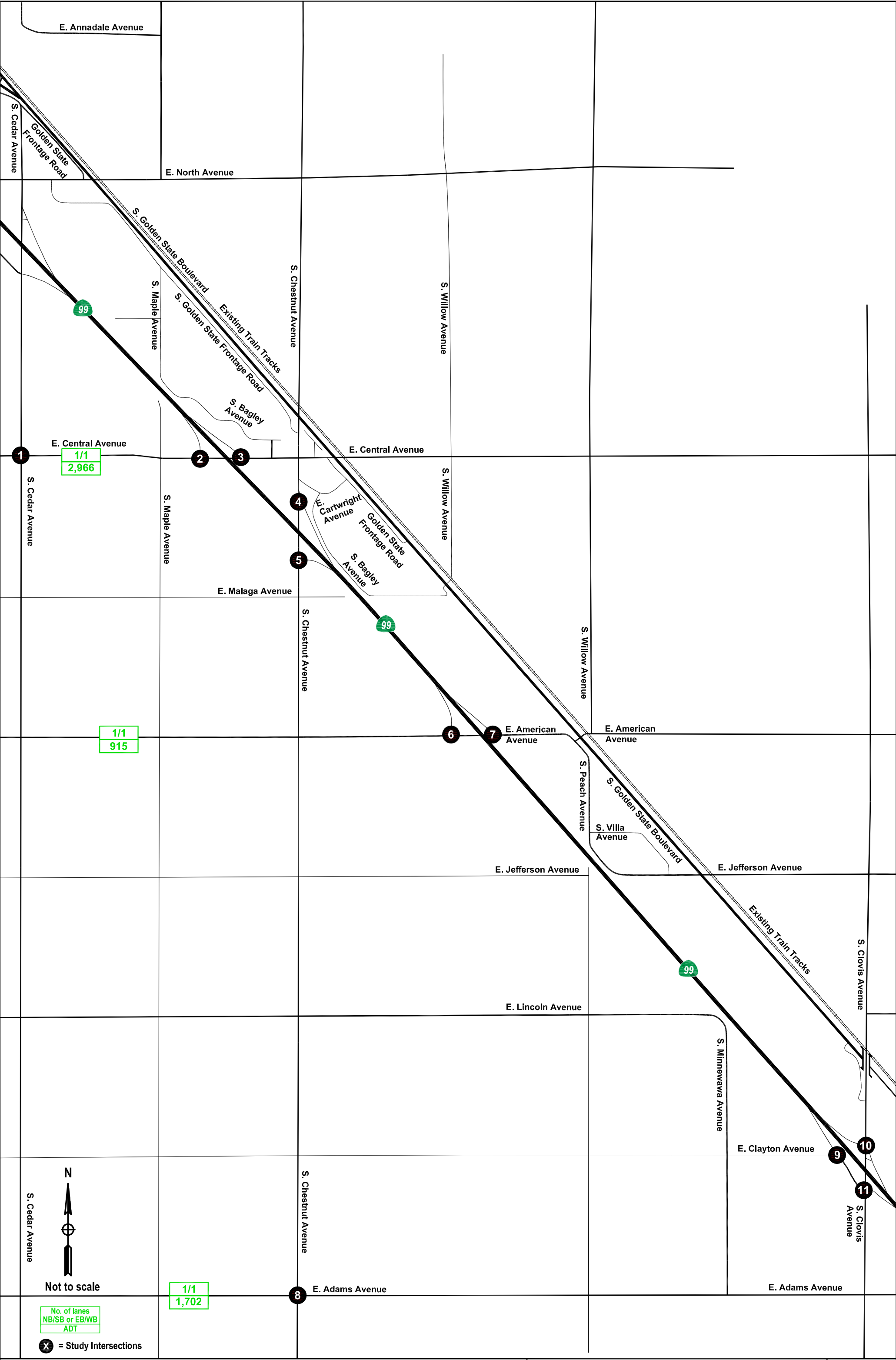


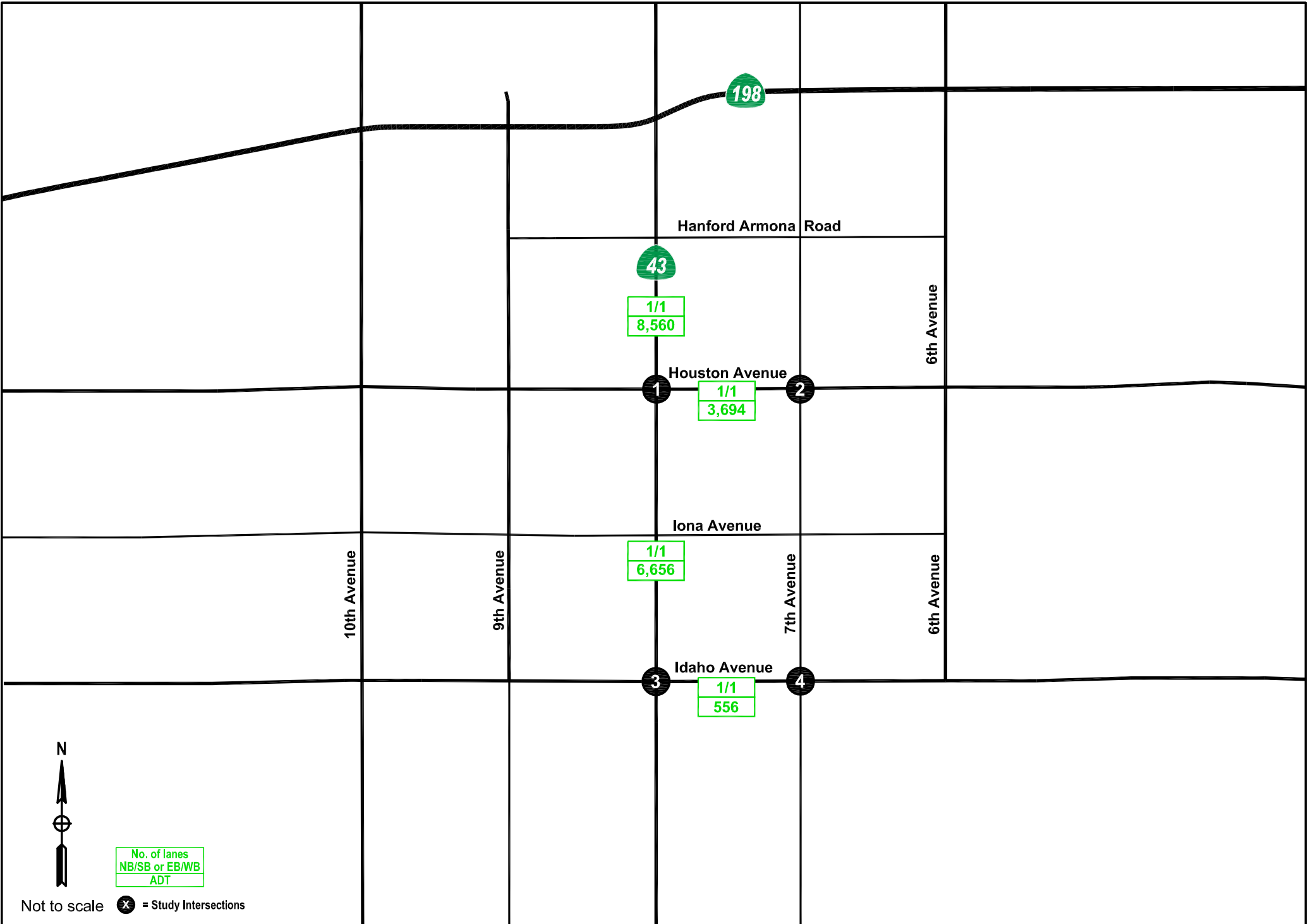


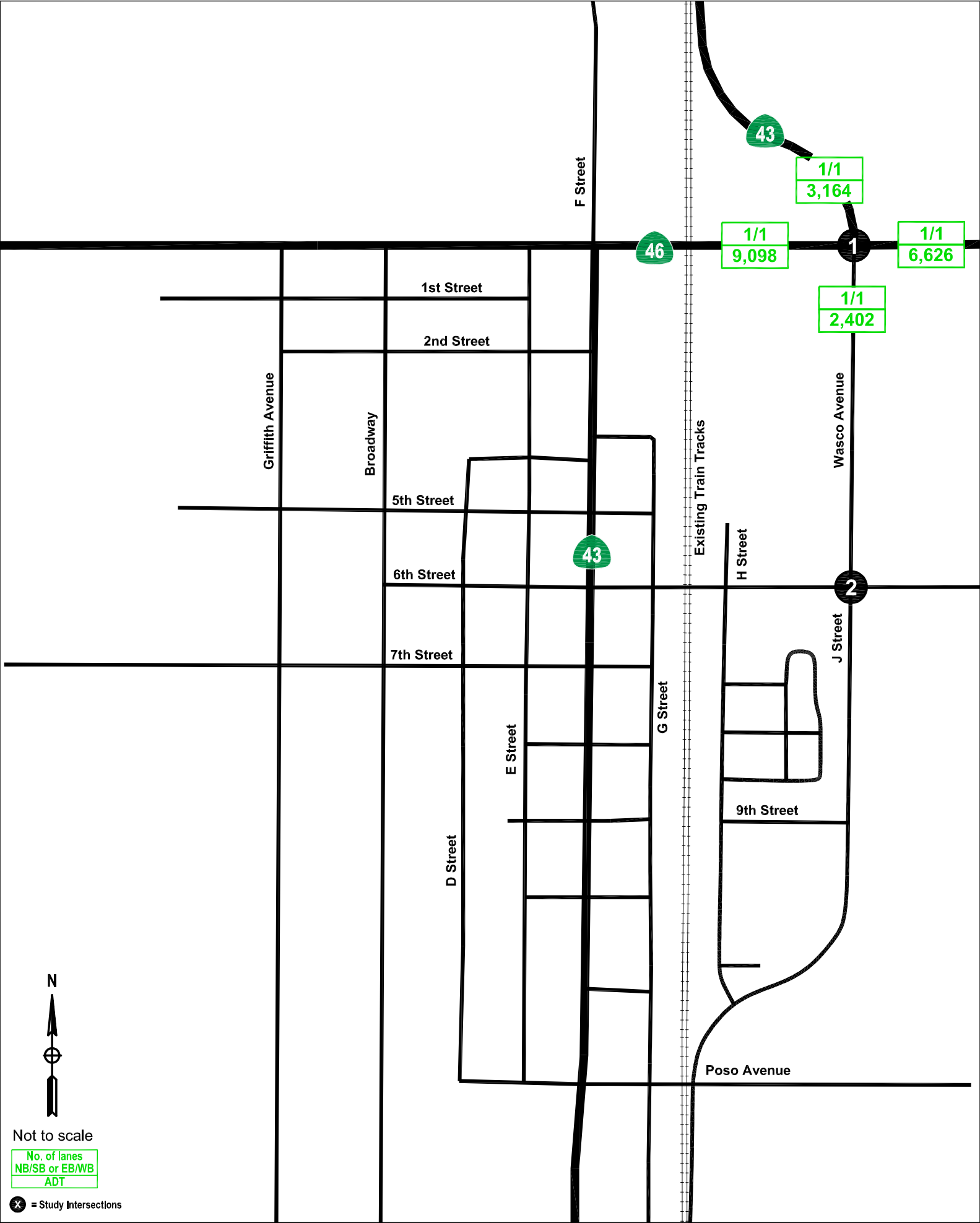




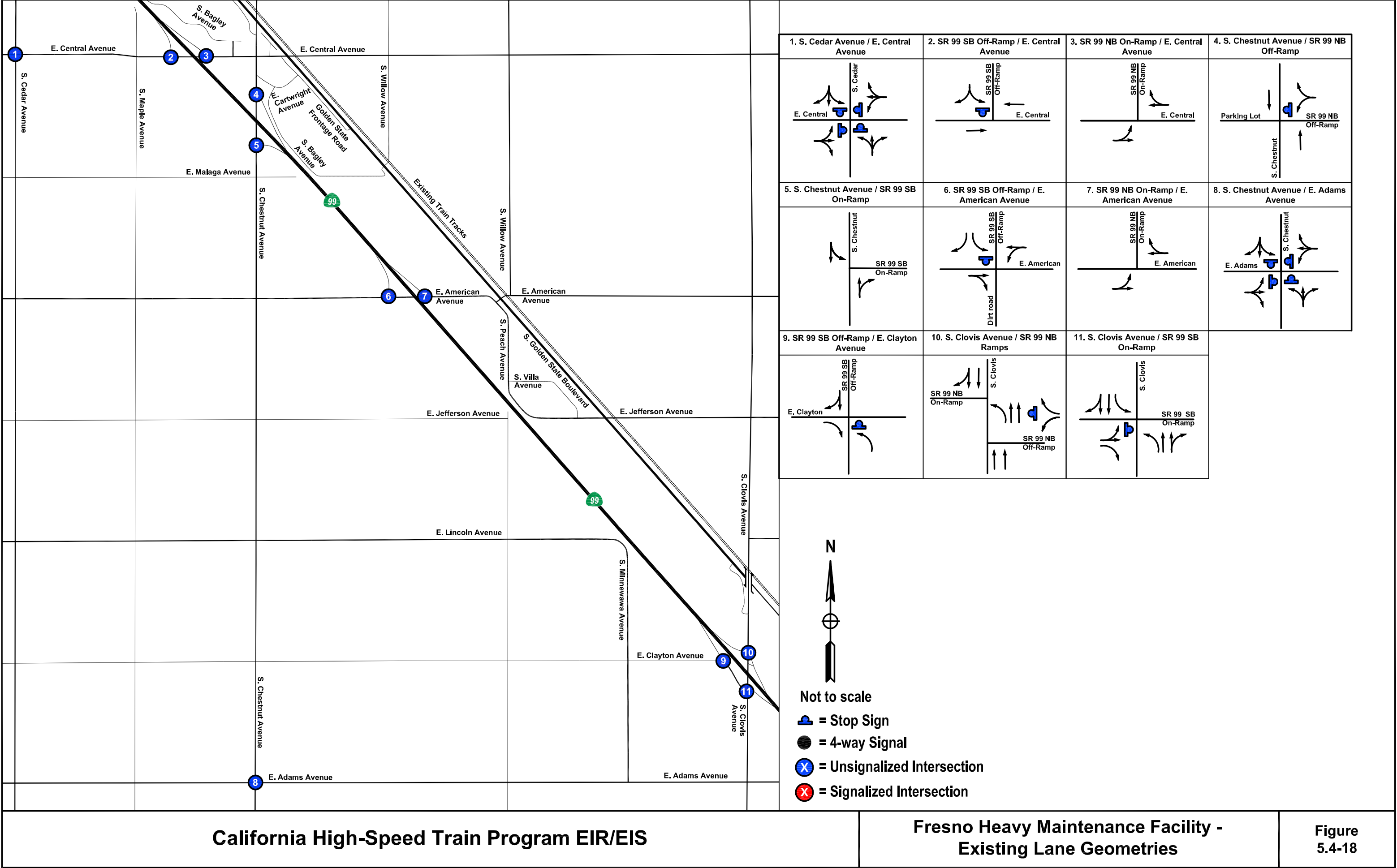


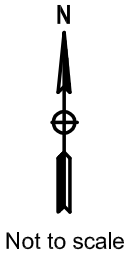
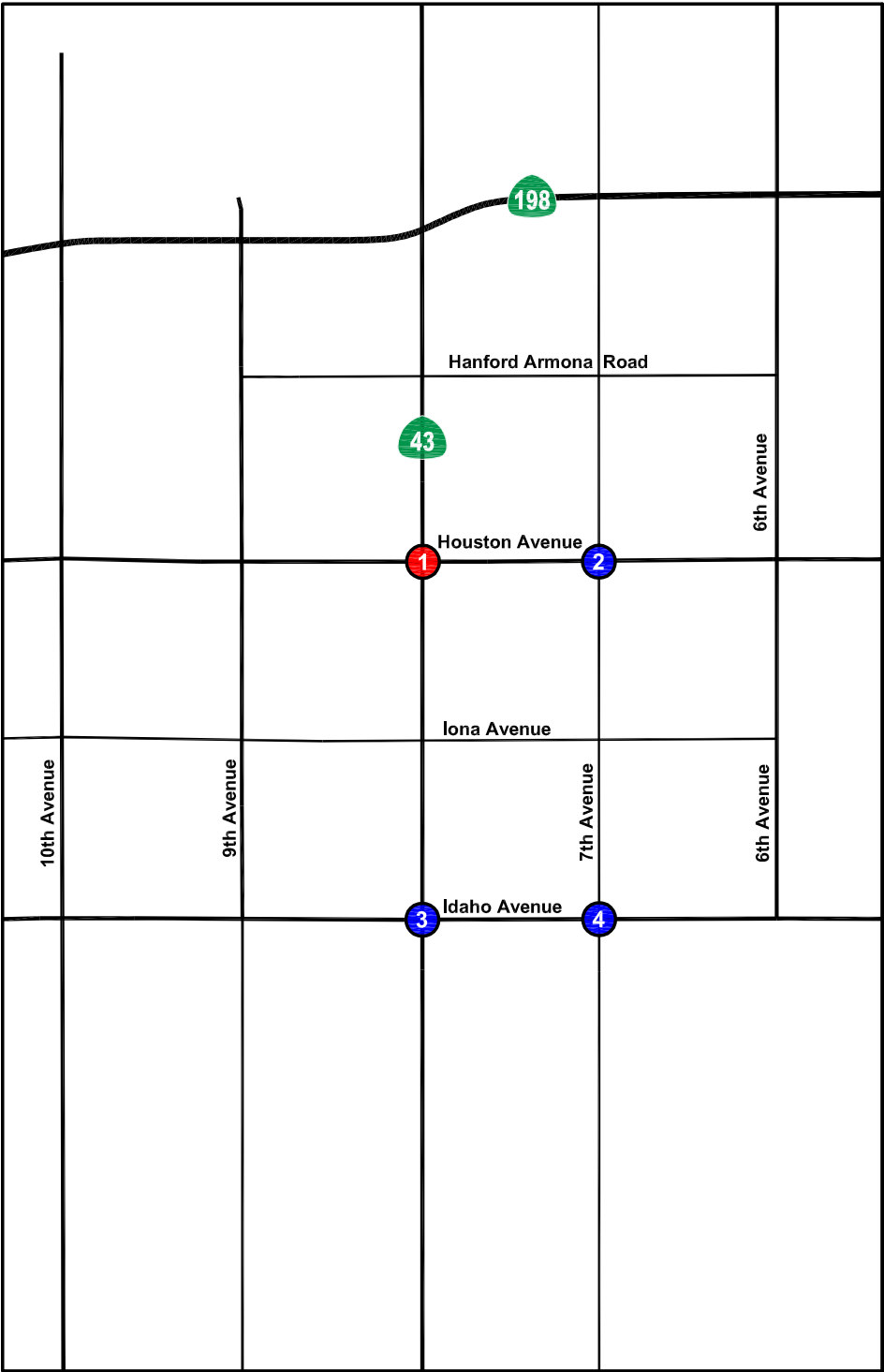






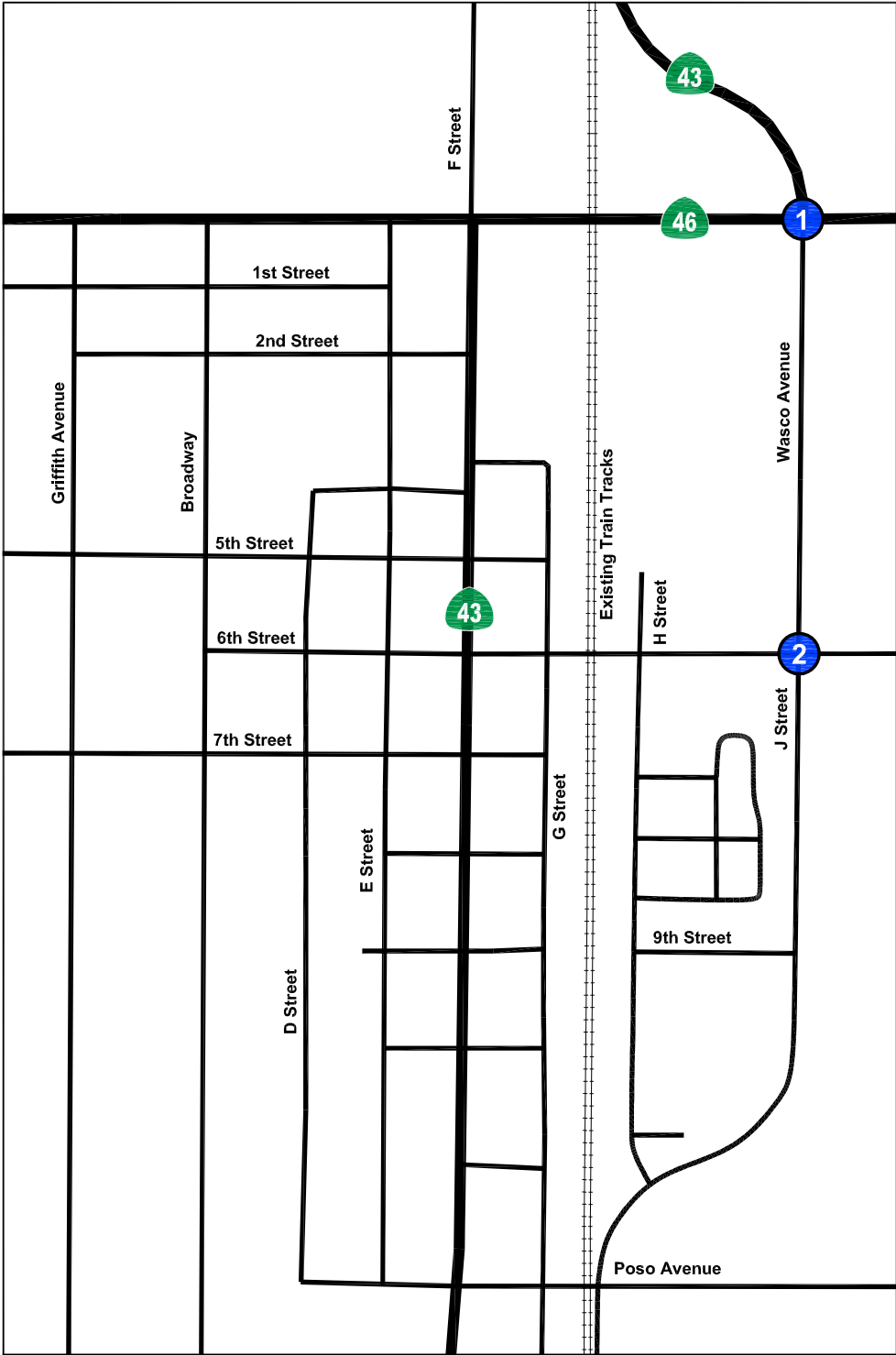






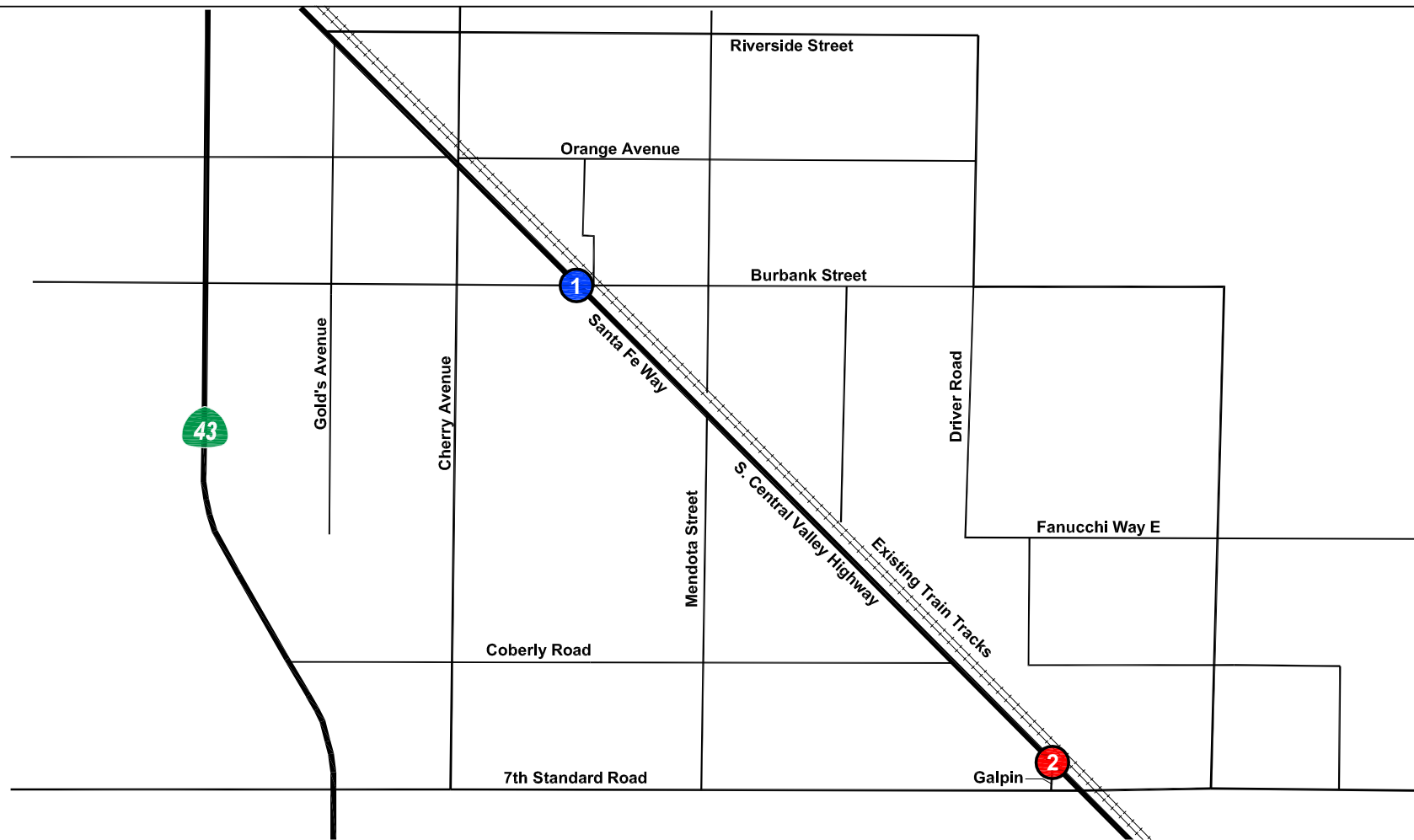
- = Stop Sign
- = 4-way Signal
- = Unsignalized Intersection
- = Signalized Intersection

1. SR 43 / Houston Avenue	2. 7th Avenue / Houston Avenue
3. SR 43 / Idaho Avenue	4. 7th Avenue / Idaho Avenue



1. SR 43 - Wasco Avenue / SR 46	2. Wasco Avenue - J Street / 6th Street

- N
-
- = Stop Sign
 = 4-way Signal
 = Unsignalized Intersection
 = Signalized Intersection
- Not to scale



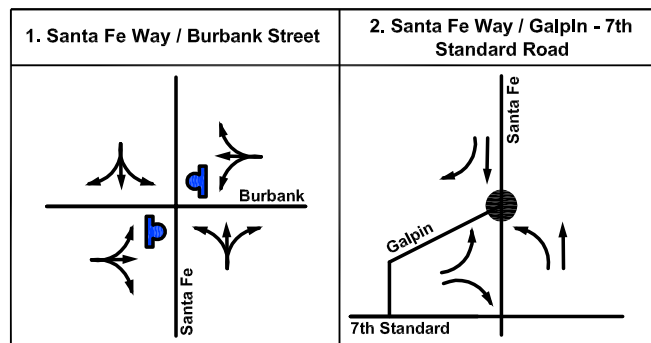
Not to scale

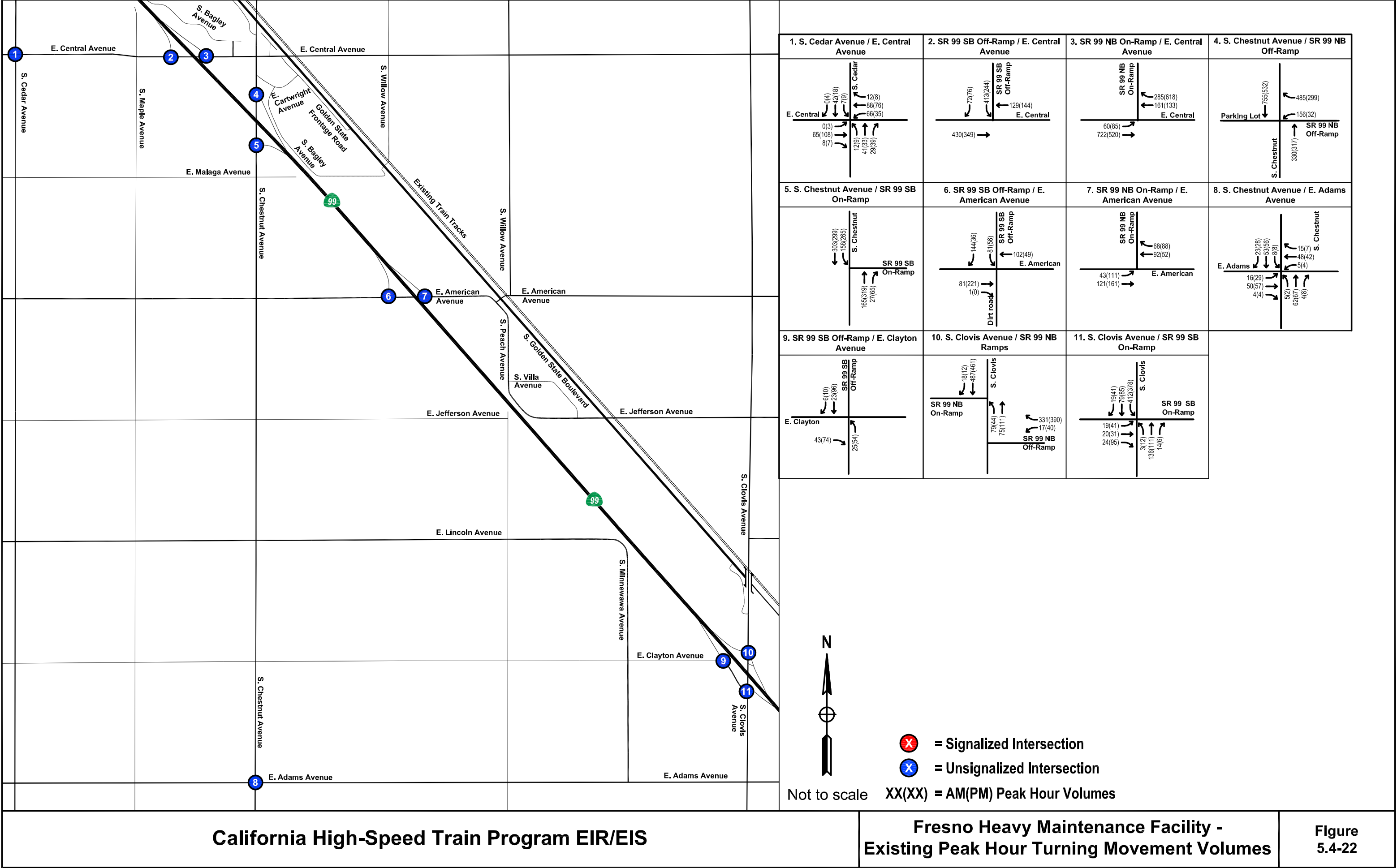
 = Stop Sign

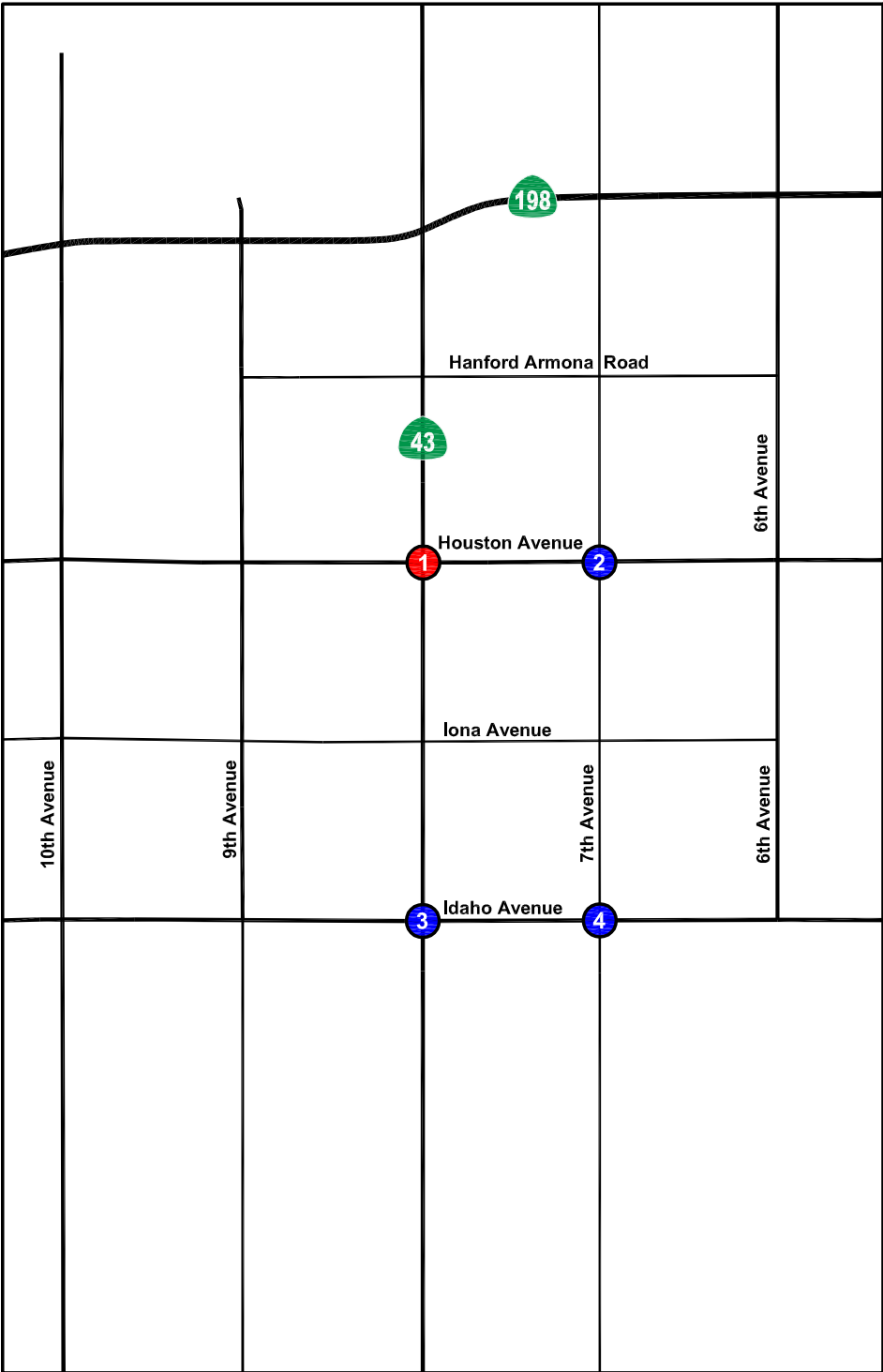
 = 4-way Signal

 = Unsignalized Intersection

 = Signalized Intersection



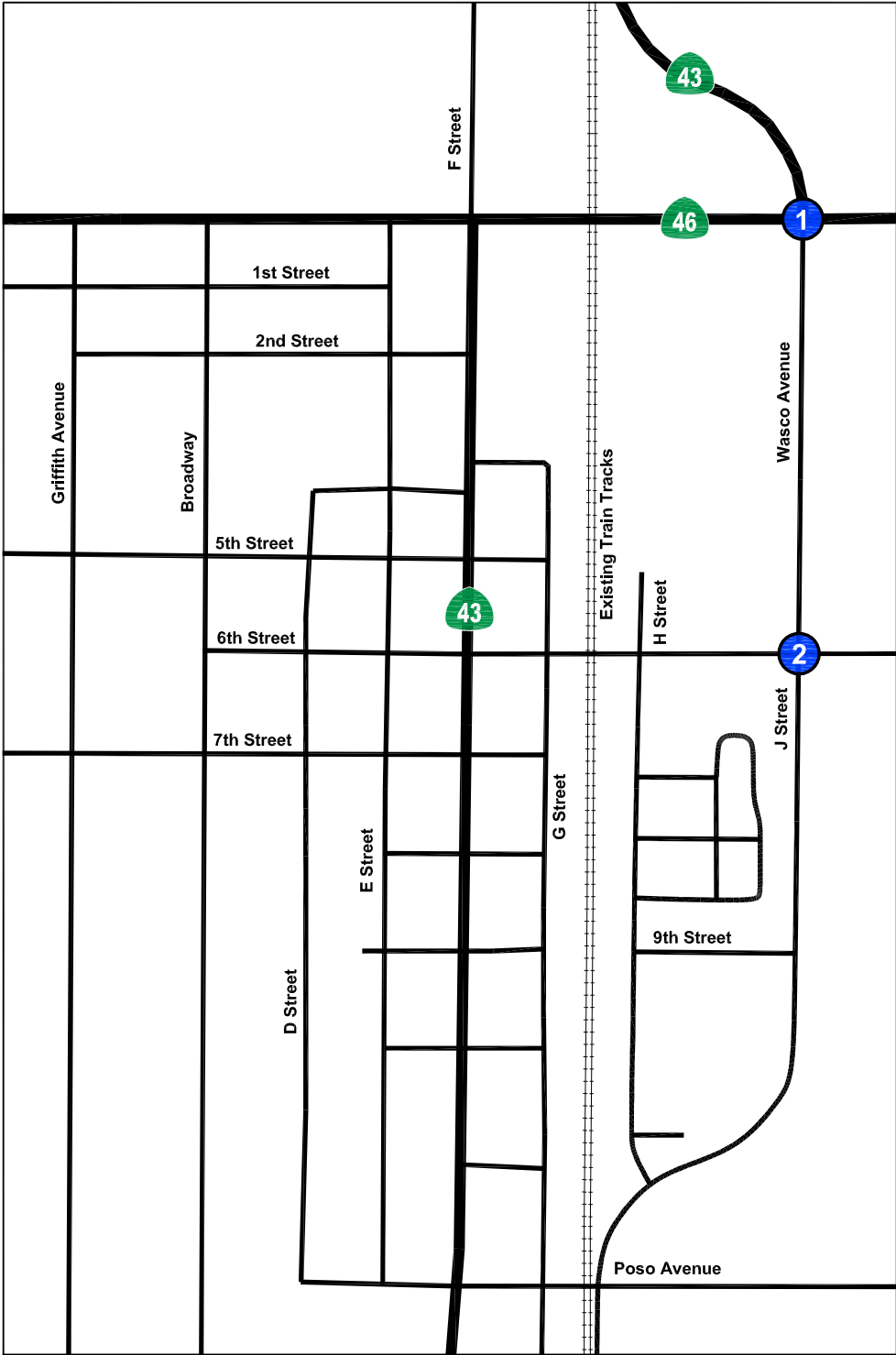




Not to scale

- ⊗ = Signalized Intersection
- ⊗ = Unsignalized Intersection
- XX(XX) = AM(PM) Peak Hour Volumes

1. SR 43 / Houston Avenue	2. 7th Avenue / Houston Avenue
3. SR 43 / Idaho Avenue	4. 7th Avenue / Idaho Avenue



1. SR 43 - Wasco Avenue / SR 46	2. Wasco Avenue - J Street / 6th Street
<p>Diagram 1 shows the intersection of SR 43, SR 46, and Wasco Avenue. Traffic volumes are provided for each movement:</p> <ul style="list-style-type: none"> SR 43 Northbound: 10(7) left, 186(199) through, 18(41) right. SR 43 Southbound: 26(77) left, 37(102) through, 7(13) right. SR 46 Eastbound: 61(57) left, 152(193) through, 25(23) right. SR 46 Westbound: 21(12) left, 52(41) through, 24(22) right. Wasco Avenue Northbound: 11(26) left, 70(136) through. Wasco Avenue Southbound: 15(17) left, 5(6) right. 	<p>Diagram 2 shows the intersection of Wasco Avenue, J Street, and 6th Street. Traffic volumes are provided for each movement:</p> <ul style="list-style-type: none"> Wasco Avenue Northbound: 11(26) left, 70(136) through. Wasco Avenue Southbound: 15(17) left, 5(6) right. J Street Eastbound: 7(9) left, 80(58) through, 2(0) right. J Street Westbound: 1(0) left.



Not to scale

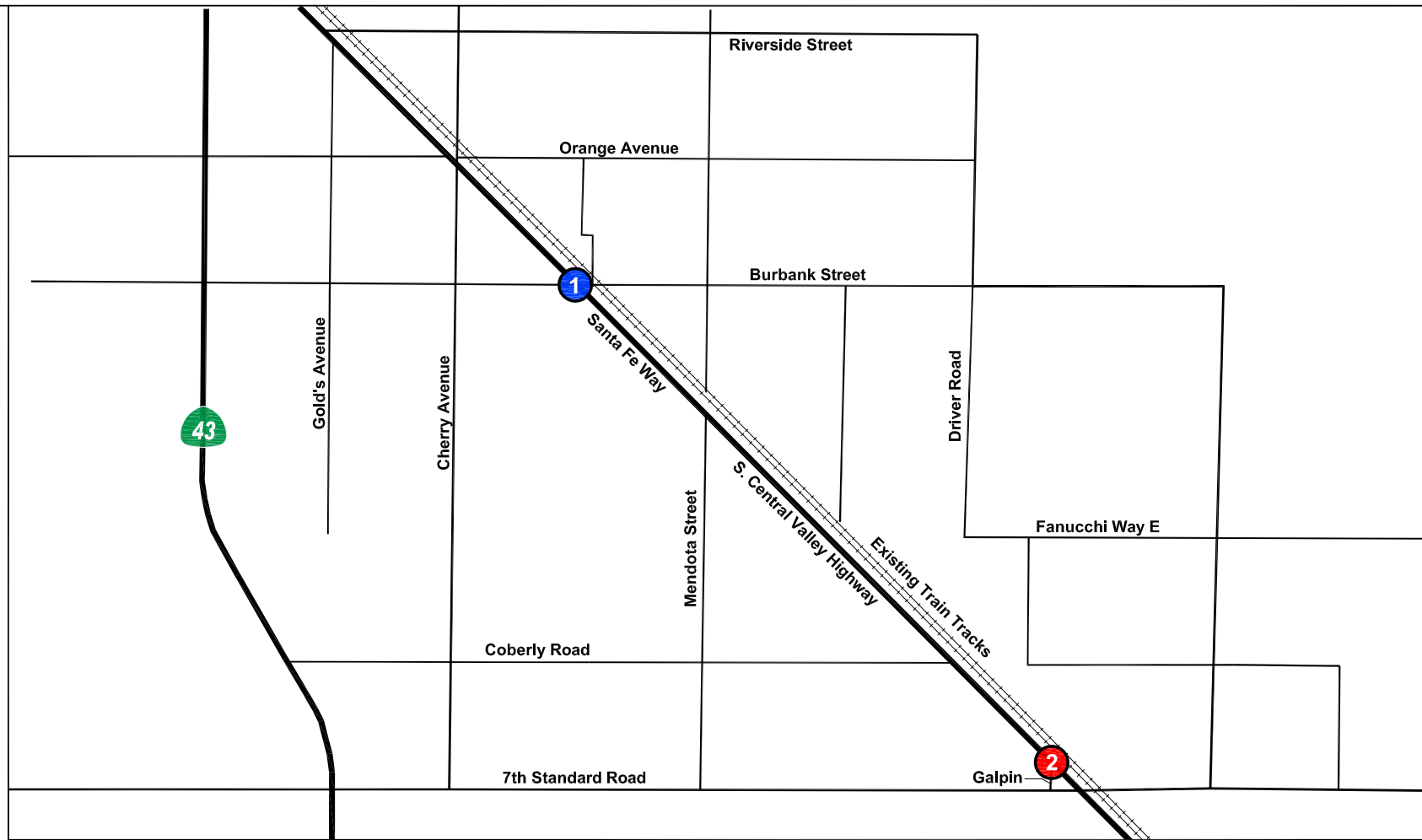


= Signalized Intersection



= Unsignalized Intersection

XX(X) = AM(PM) Peak Hour Volumes

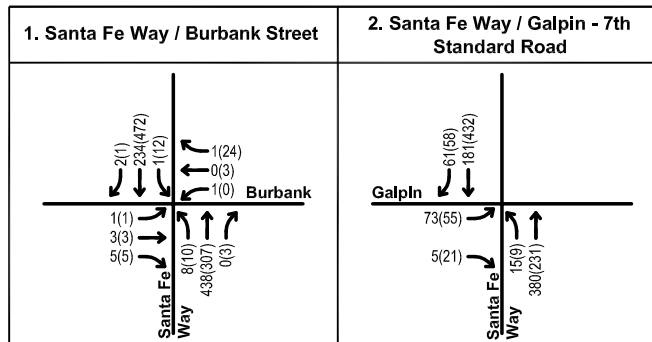


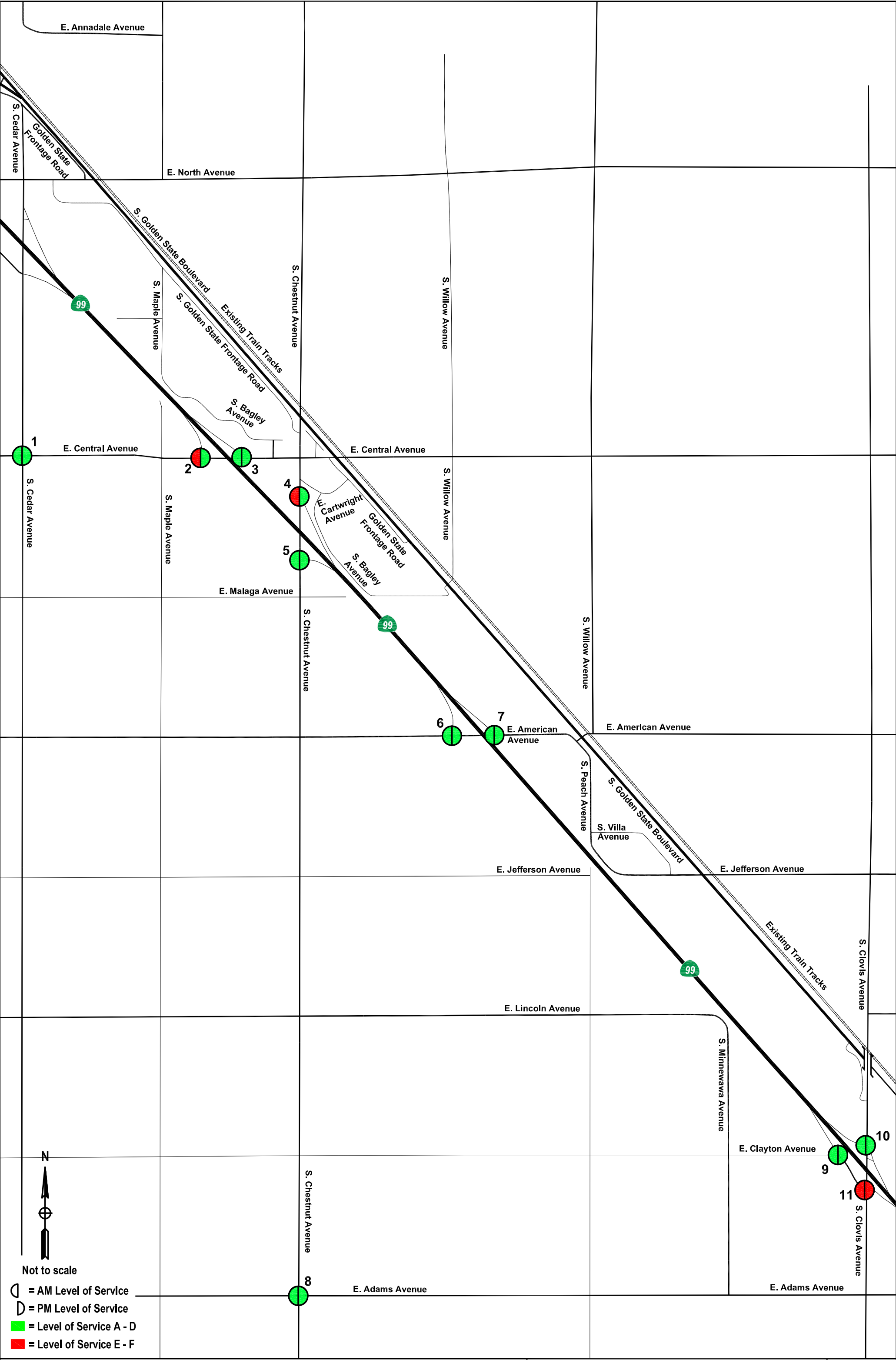
= Signalized Intersection

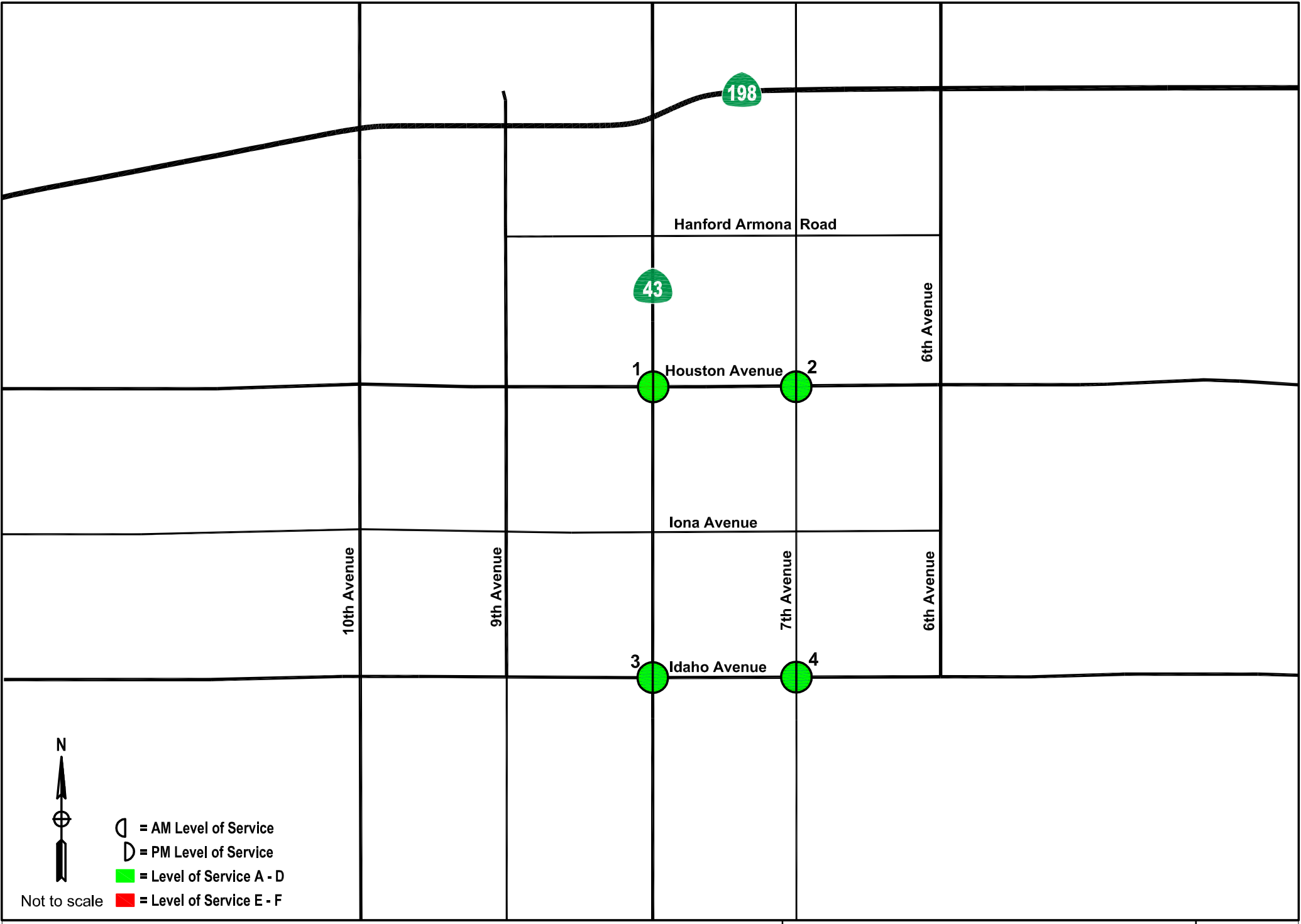
= Unsignalized Intersection

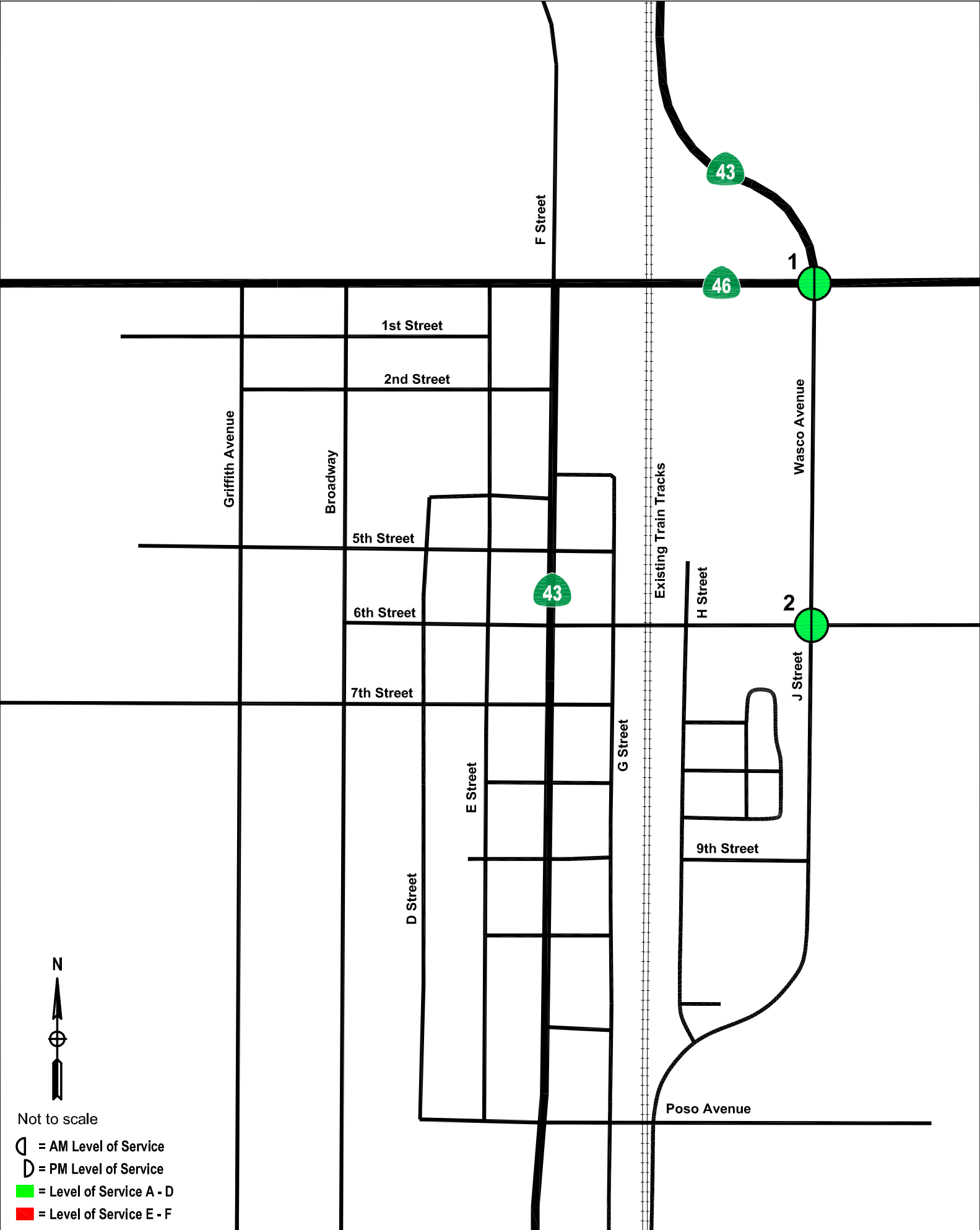
XX(XX) = AM(PM) Peak Hour Volumes

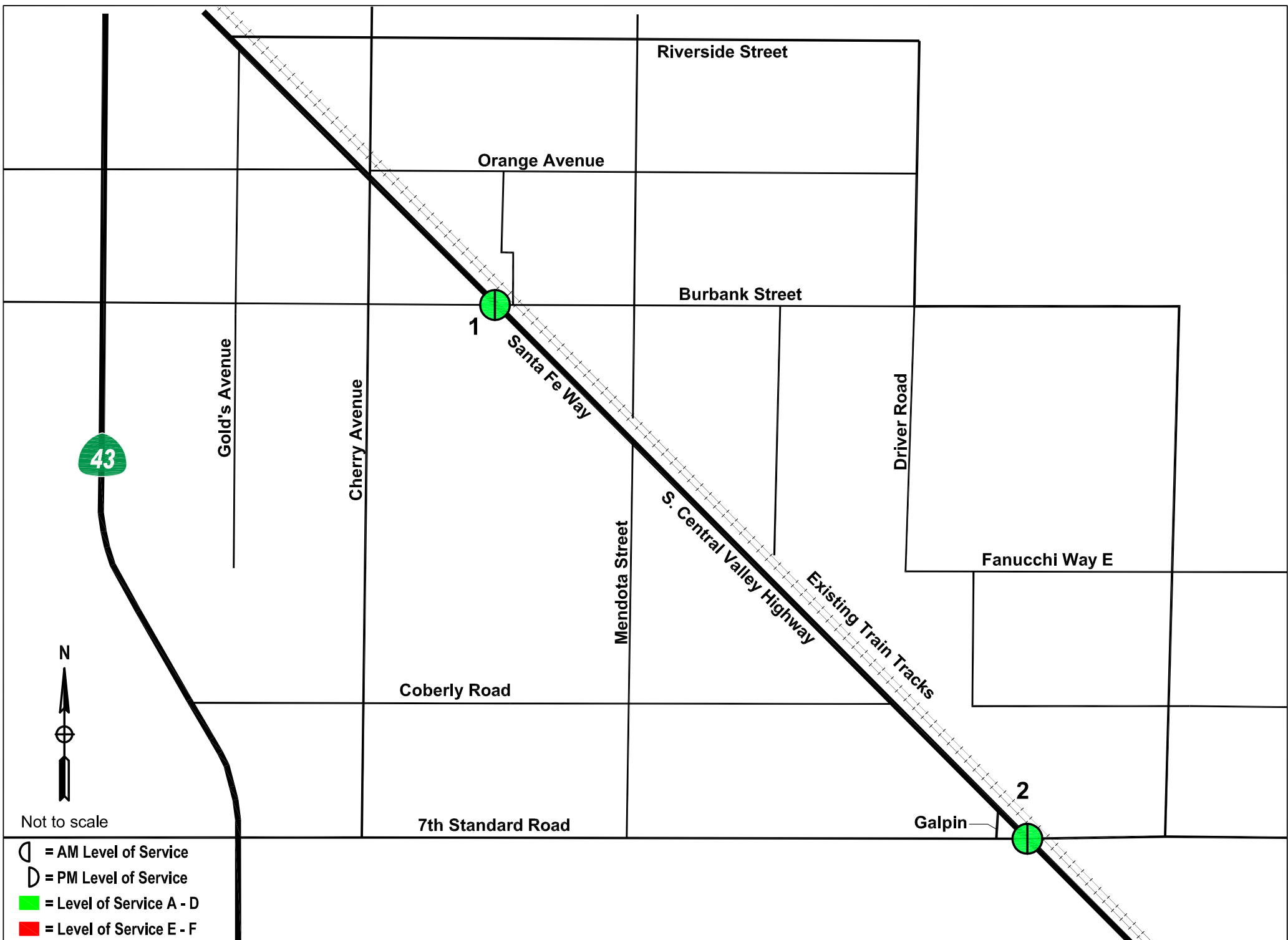
Not to scale

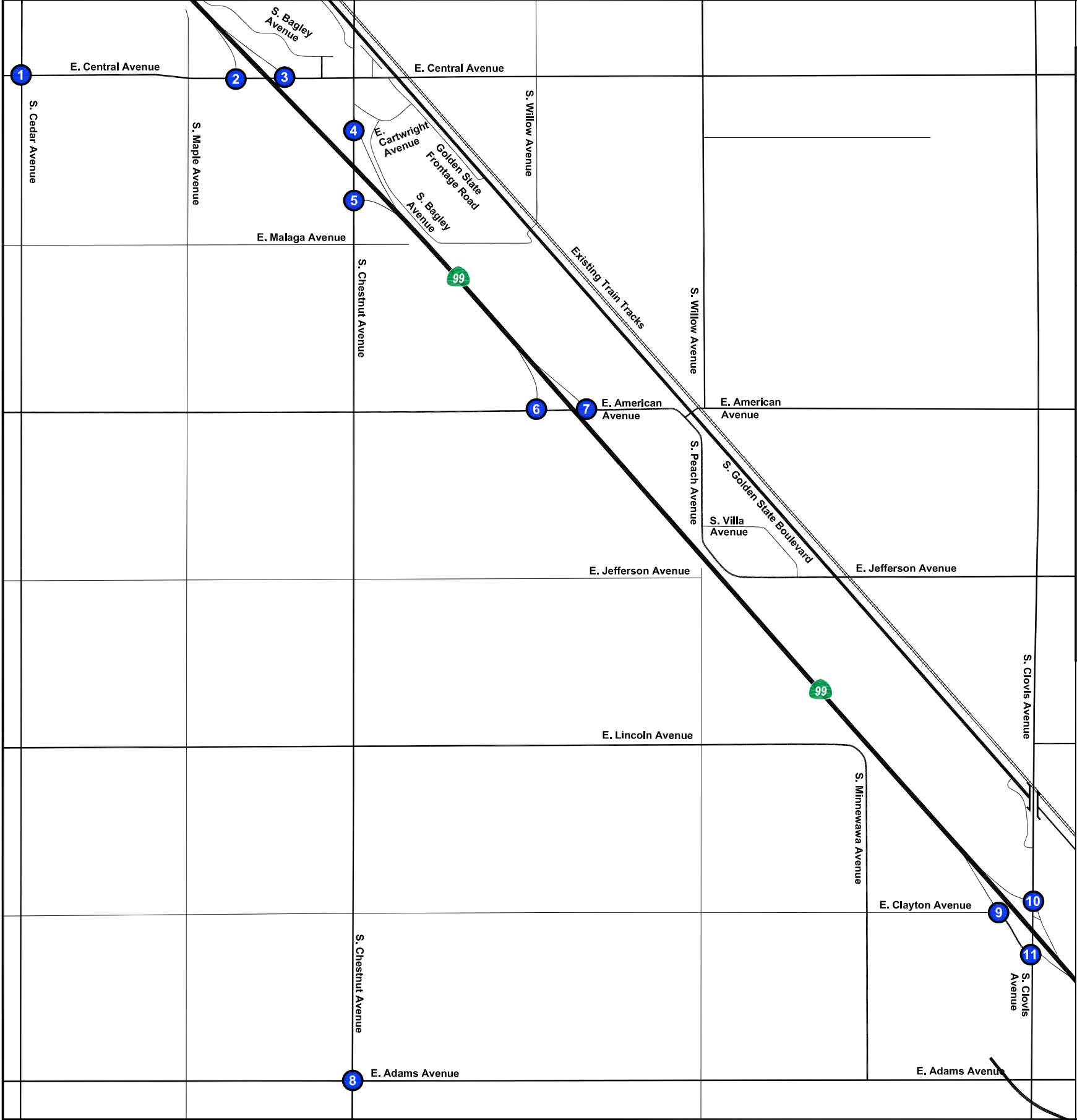












1. S. Cedar Avenue / E. Central Avenue	2. SR 99 SB Off-Ramp / E. Central Avenue	3. SR 99 NB On-Ramp / E. Central Avenue	4. S. Chestnut Avenue / SR 99 NB Off-Ramp
5. S. Chestnut Avenue / SR 99 SB On-Ramp	6. SR 99 SB Off-Ramp / E. American Avenue	7. SR 99 NB On-Ramp / E. American Avenue	8. S. Chestnut Avenue / E. Adams Avenue
9. SR 99 SB Off-Ramp / Clayton Avenue	10. S. Clovis Avenue / SR 99 NB Ramps	11. S. Clovis Avenue / SR 99 SB On-Ramp	

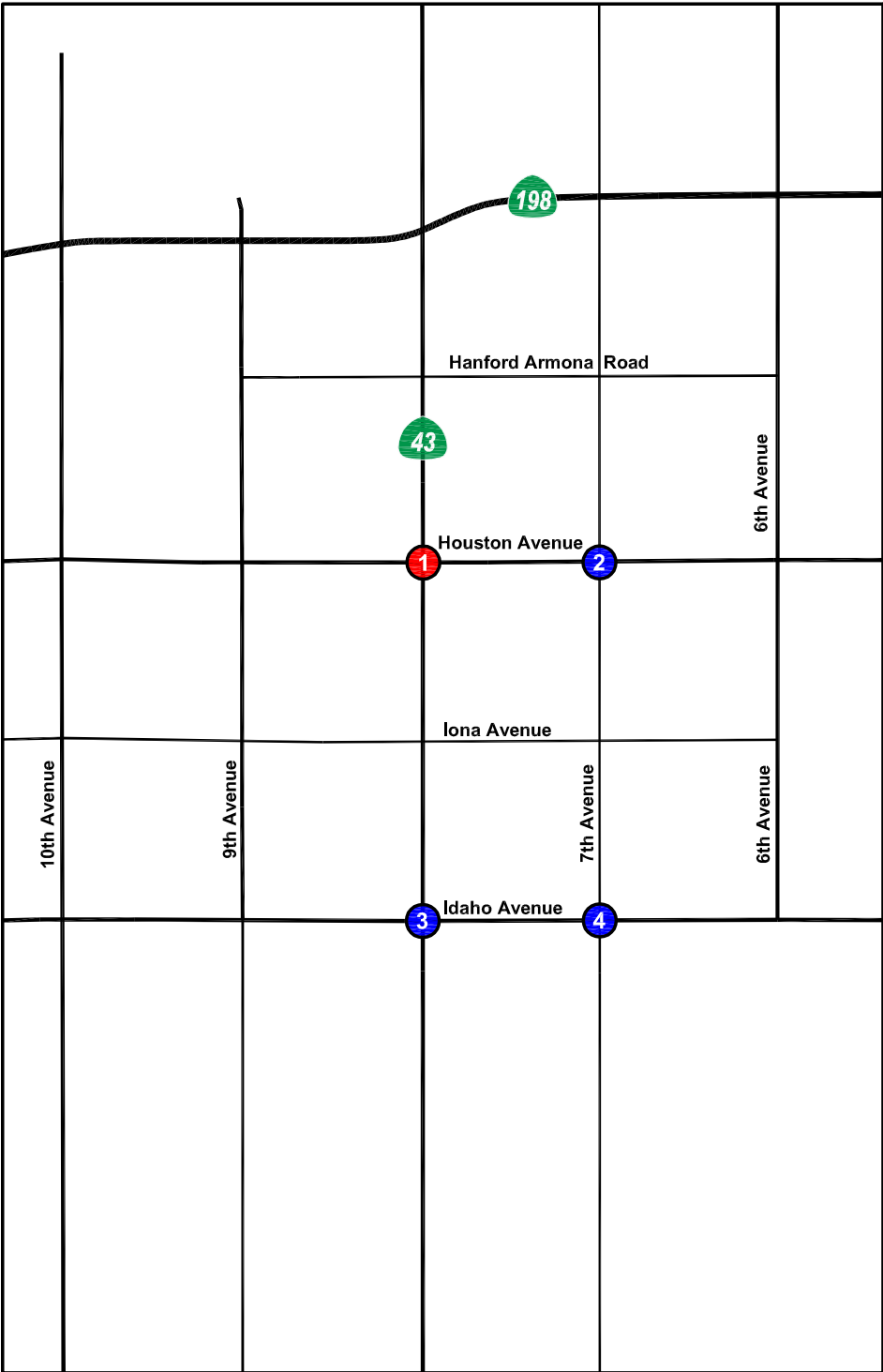
N

= Signalized Intersection



= Unsignalized Intersection

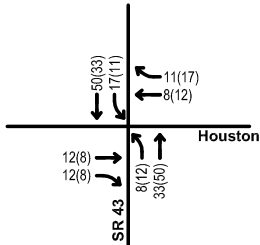
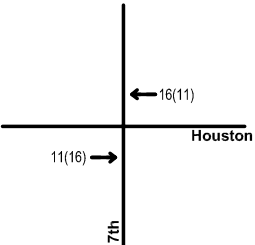
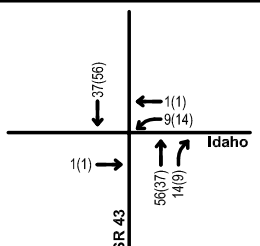
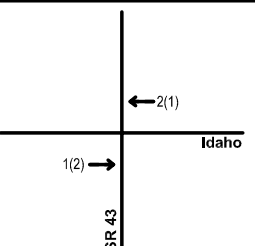
XX(X) = AM(PM) Project Only Trips

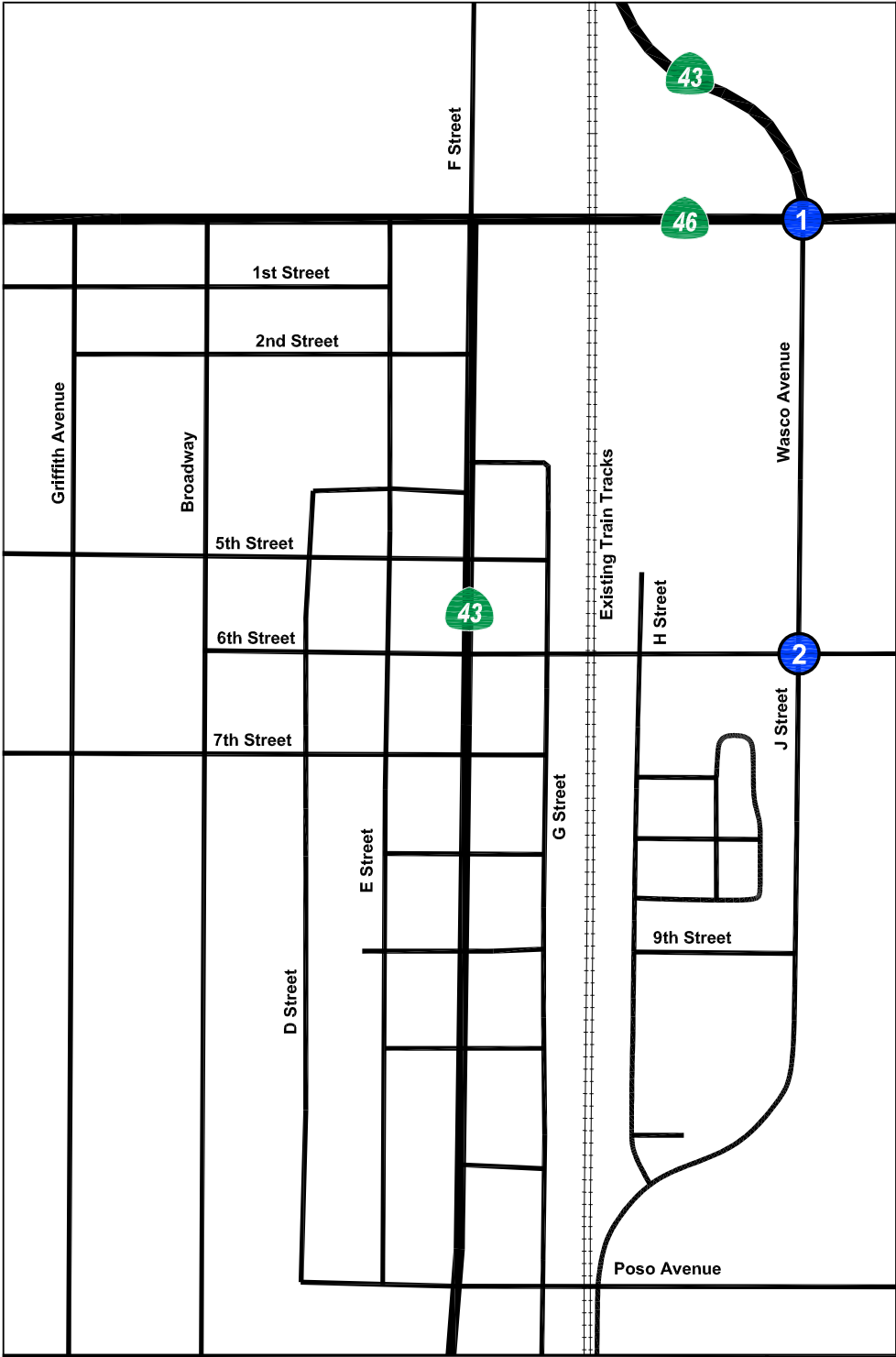
Not to scale



Not to scale

-  = Signalized Intersection
-  = Unsignalized Intersection
- XX(X) = AM(PM) Project Only Trips

1. SR 43 / Houston Avenue	2. 7th Avenue / Houston Avenue
	
3. SR 43 / Idaho Avenue	4. 7th Avenue / Idaho Avenue
	

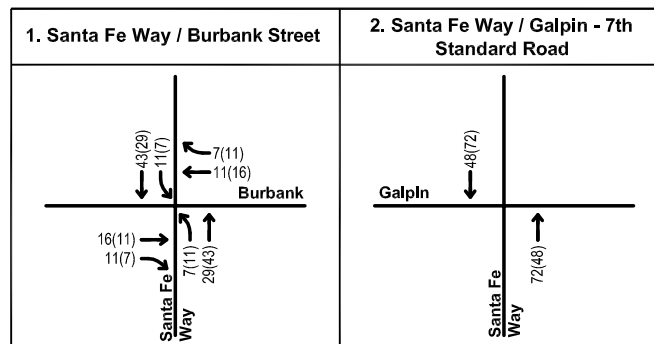
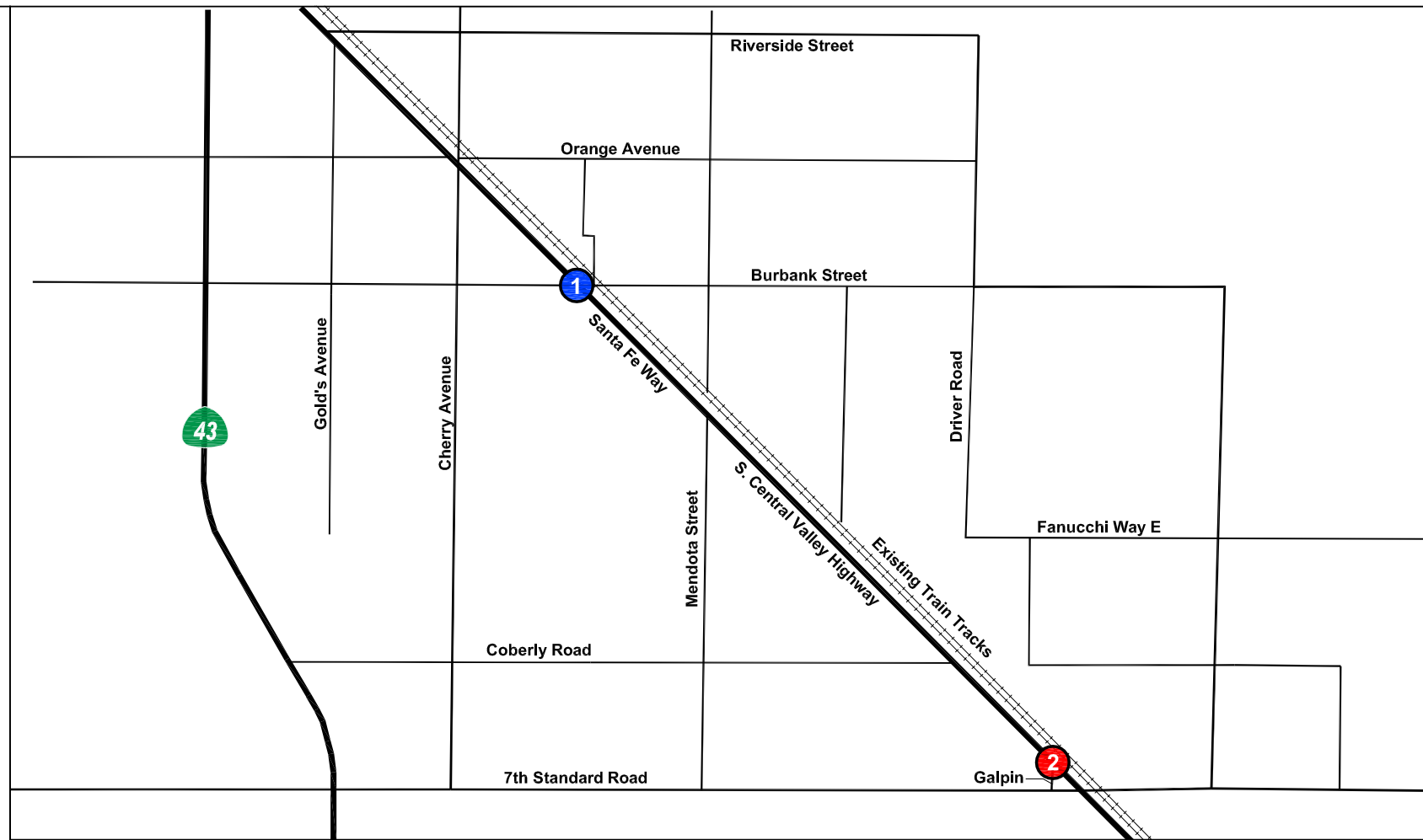


1. SR 43 - Wasco Avenue / SR 46	2. Wasco Avenue - J Street / 6th Street



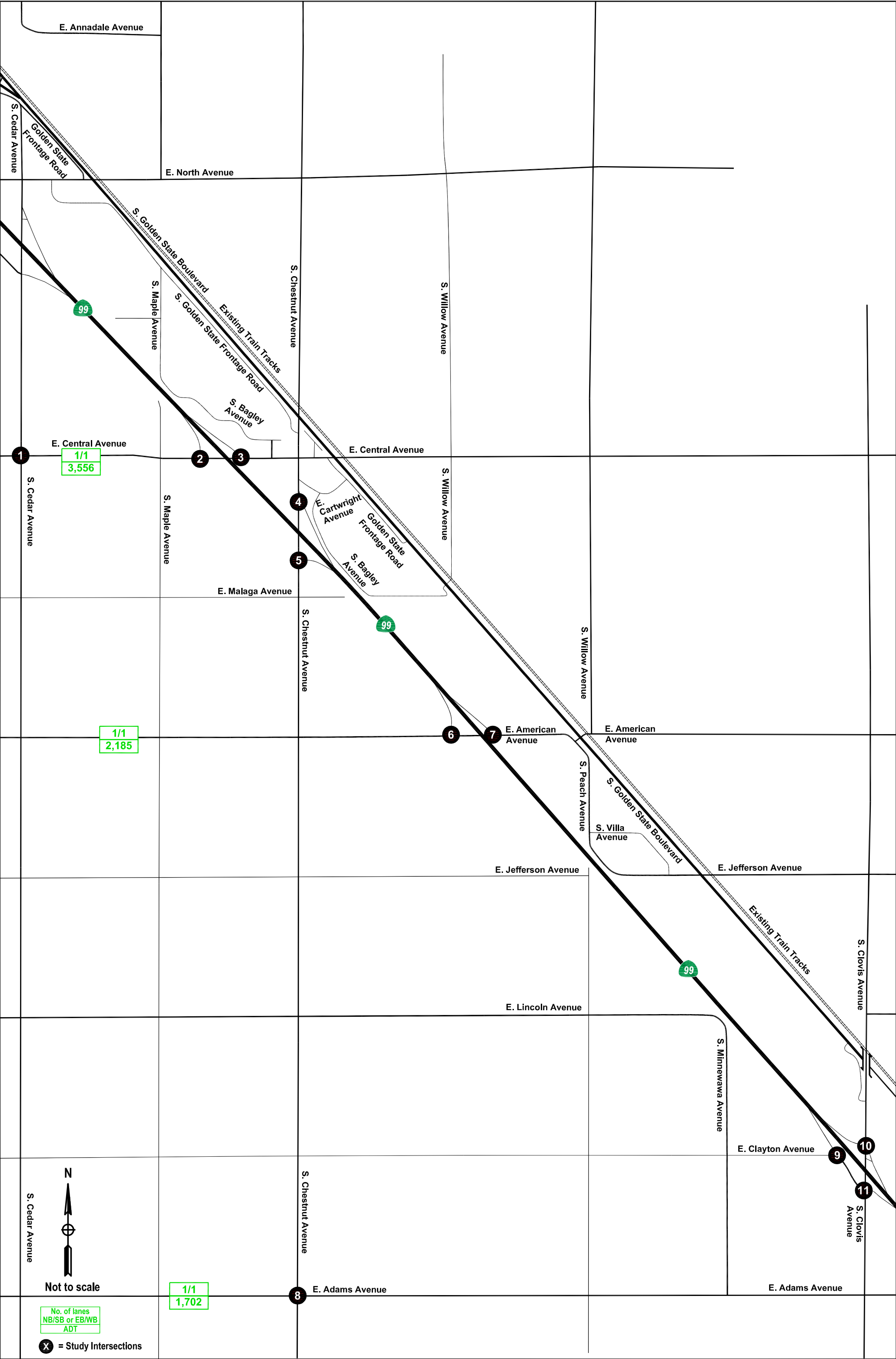
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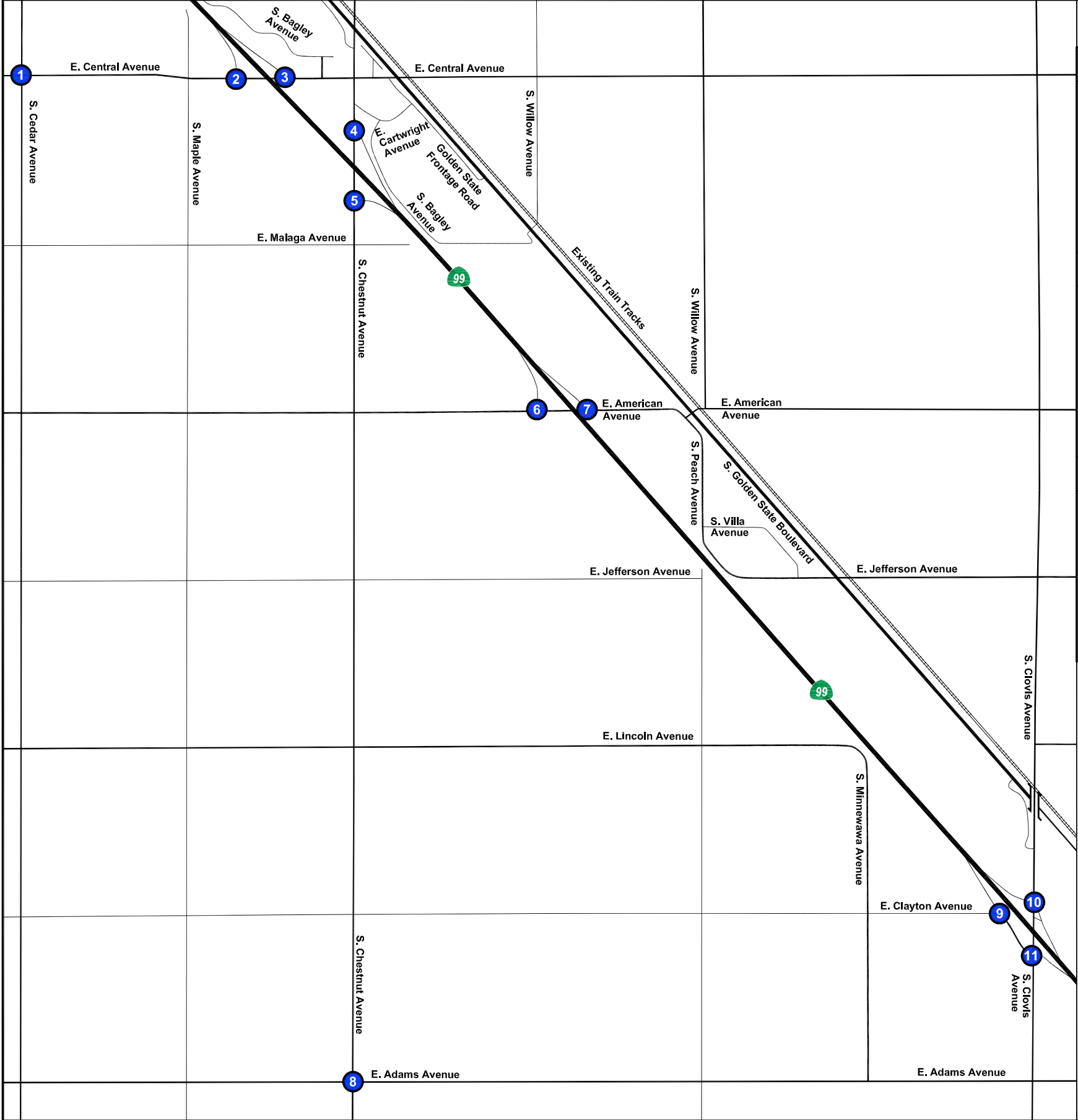
- = Signalized Intersection
- = Unsignalized Intersection
- XX(X) = AM(PM) Project Only Trips



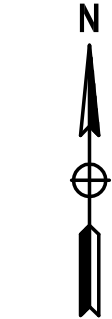
- = Signalized Intersection
- = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Project Only Trips



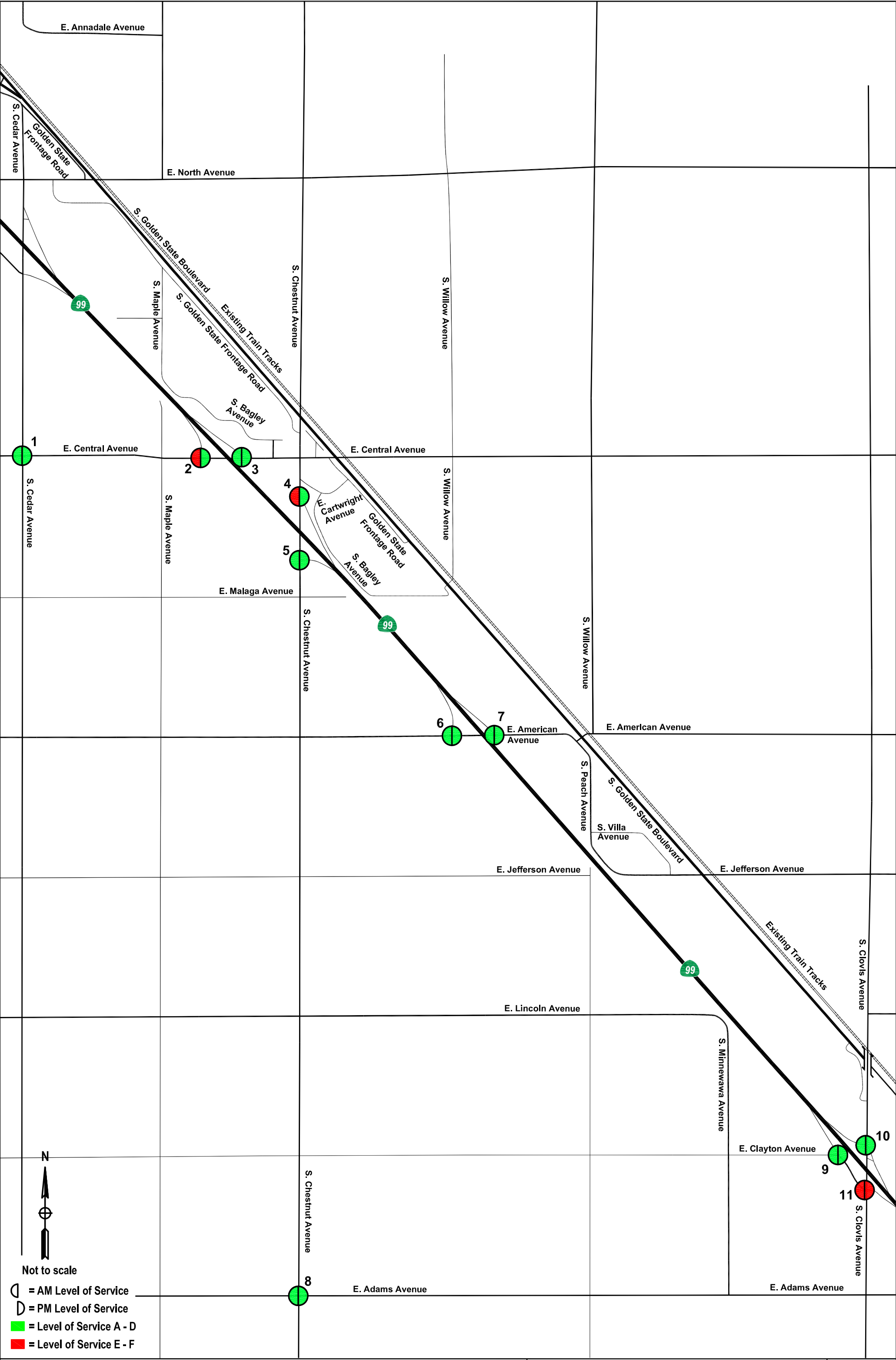


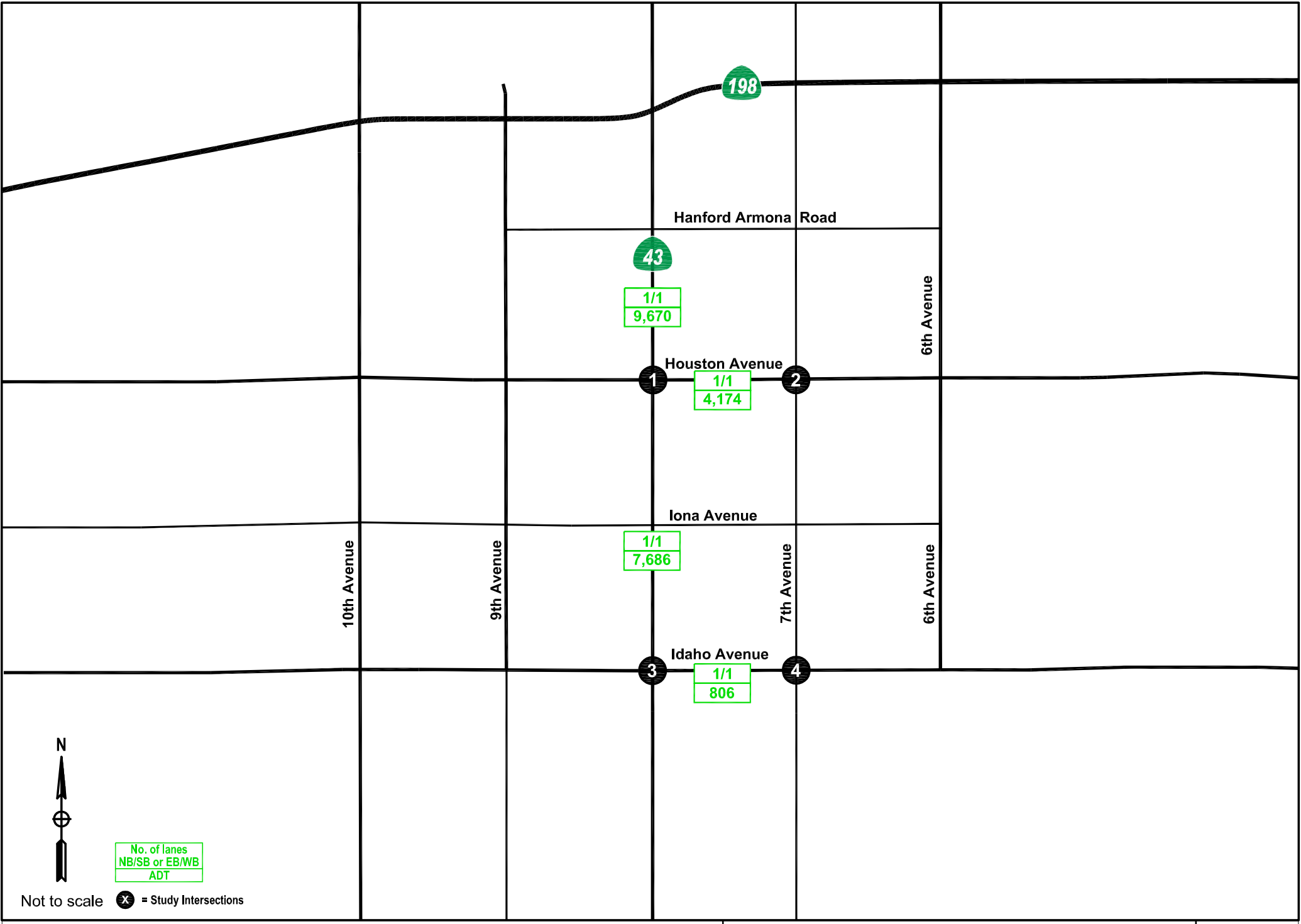
1. S. Cedar Avenue / E. Central Avenue	2. SR 99 SB Off-Ramp / E. Central Avenue	3. SR 99 NB On-Ramp / E. Central Avenue	4. S. Chestnut Avenue / SR 99 NB Off-Ramp
5. S. Chestnut Avenue / SR 99 SB On-Ramp	6. SR 99 SB Off-Ramp / E. American Avenue	7. SR 99 NB On-Ramp / E. American Avenue	8. S. Chestnut Avenue / E. Adams Avenue
9. SR 99 SB Off-Ramp / E. Clayton Avenue	10. S. Clovis Avenue / SR 99 NB Ramps	11. S. Clovis Avenue / SR 99 SB On-Ramp	

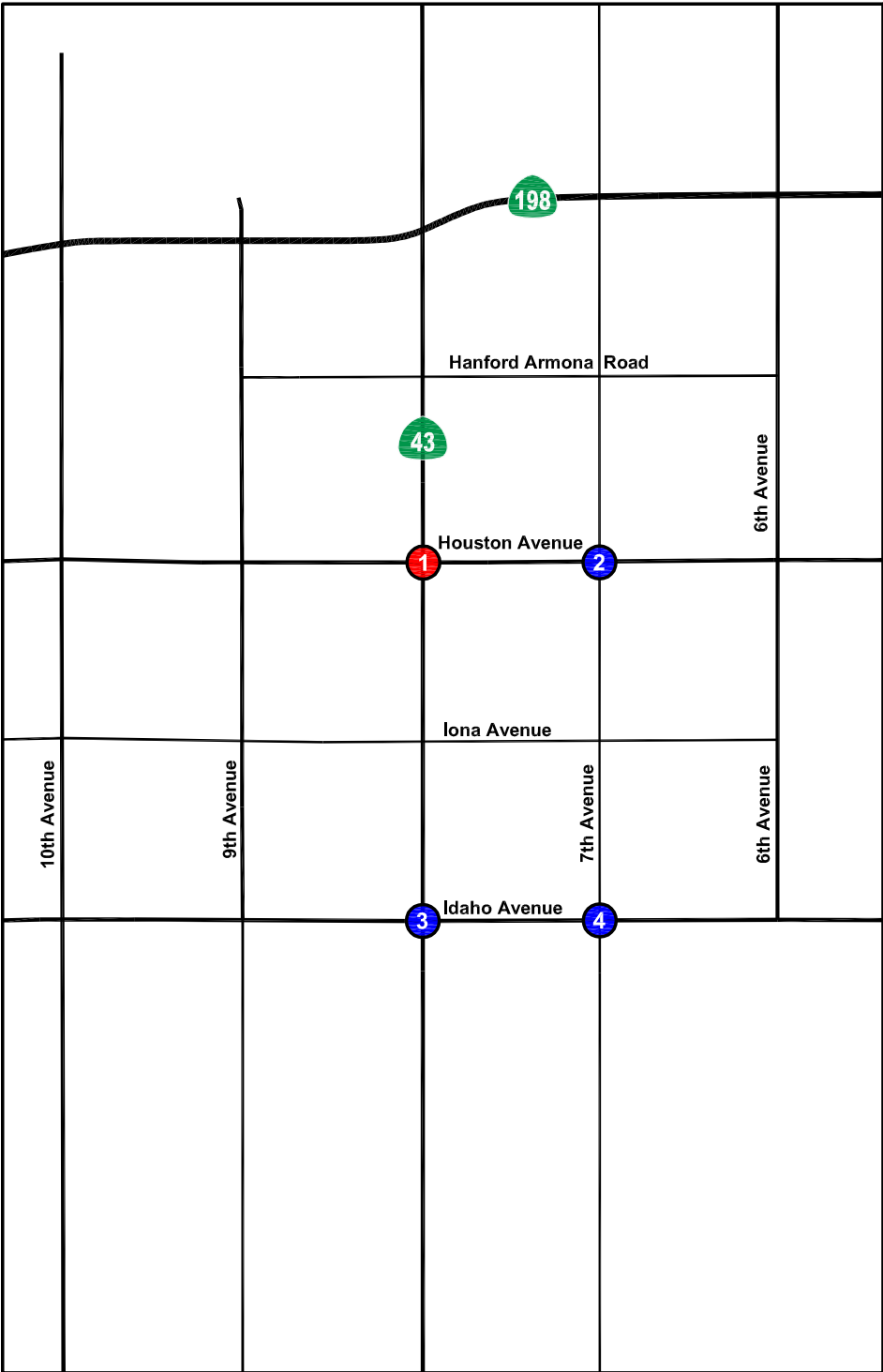


- = Signalized Intersection
- = Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes



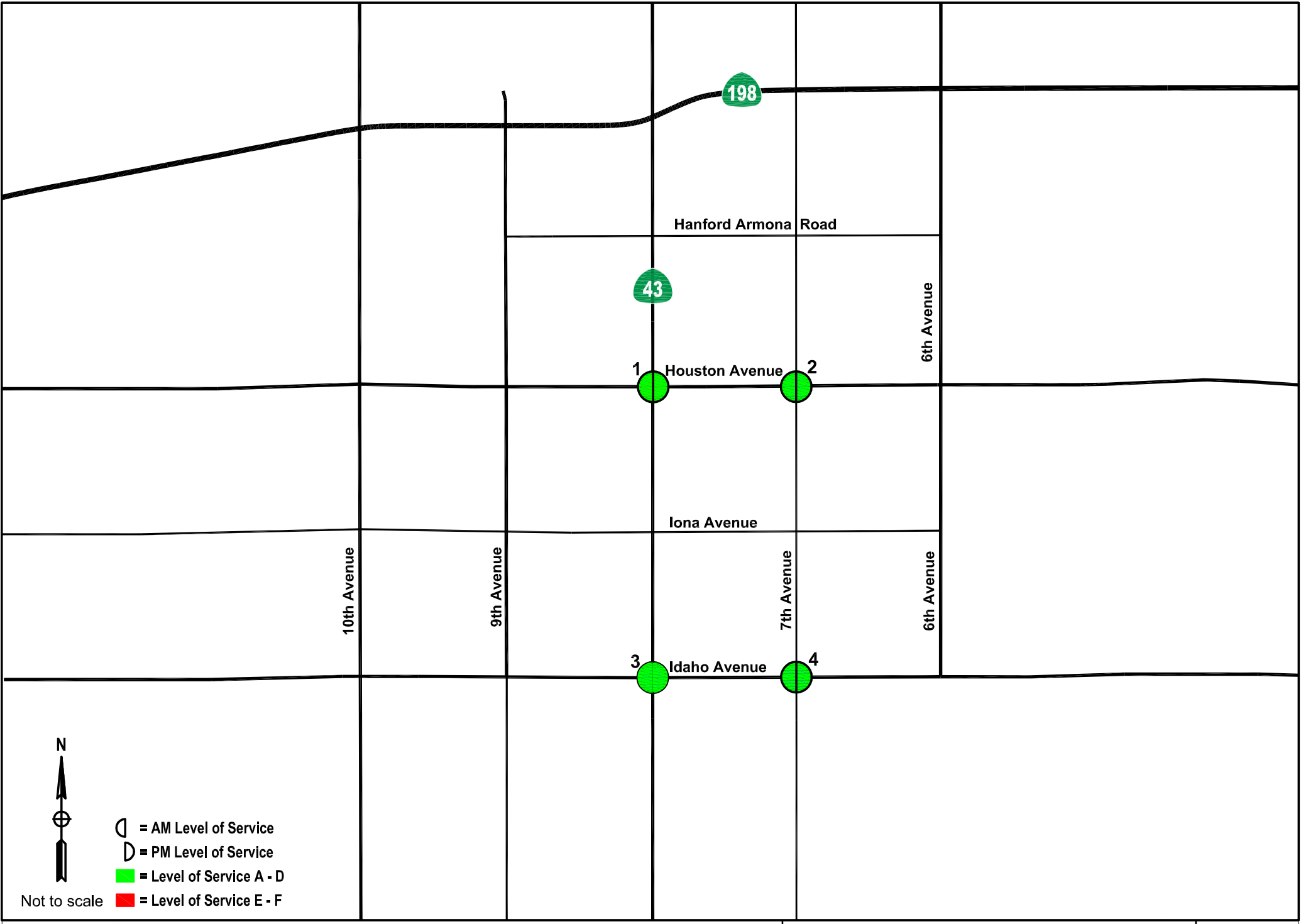


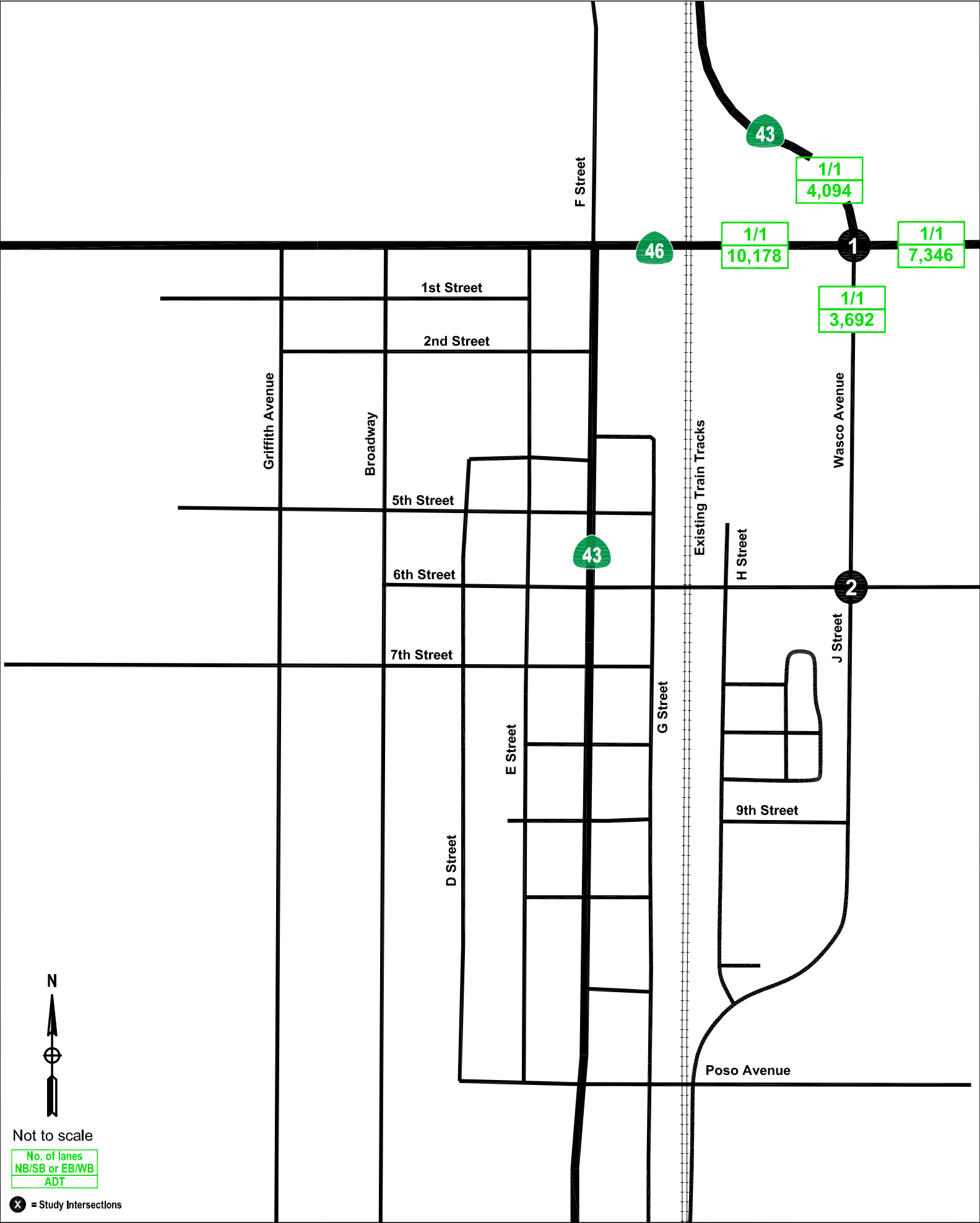


Not to scale

- ⊗ = Signalized Intersection
- ⊗ = Unsignalized Intersection
- XX(XX) = AM(PM) Peak Hour Volumes

1. SR 43 / Houston Avenue	2. 7th Avenue / Houston Avenue
3. SR 43 / Idaho Avenue	4. 7th Avenue / Idaho Avenue



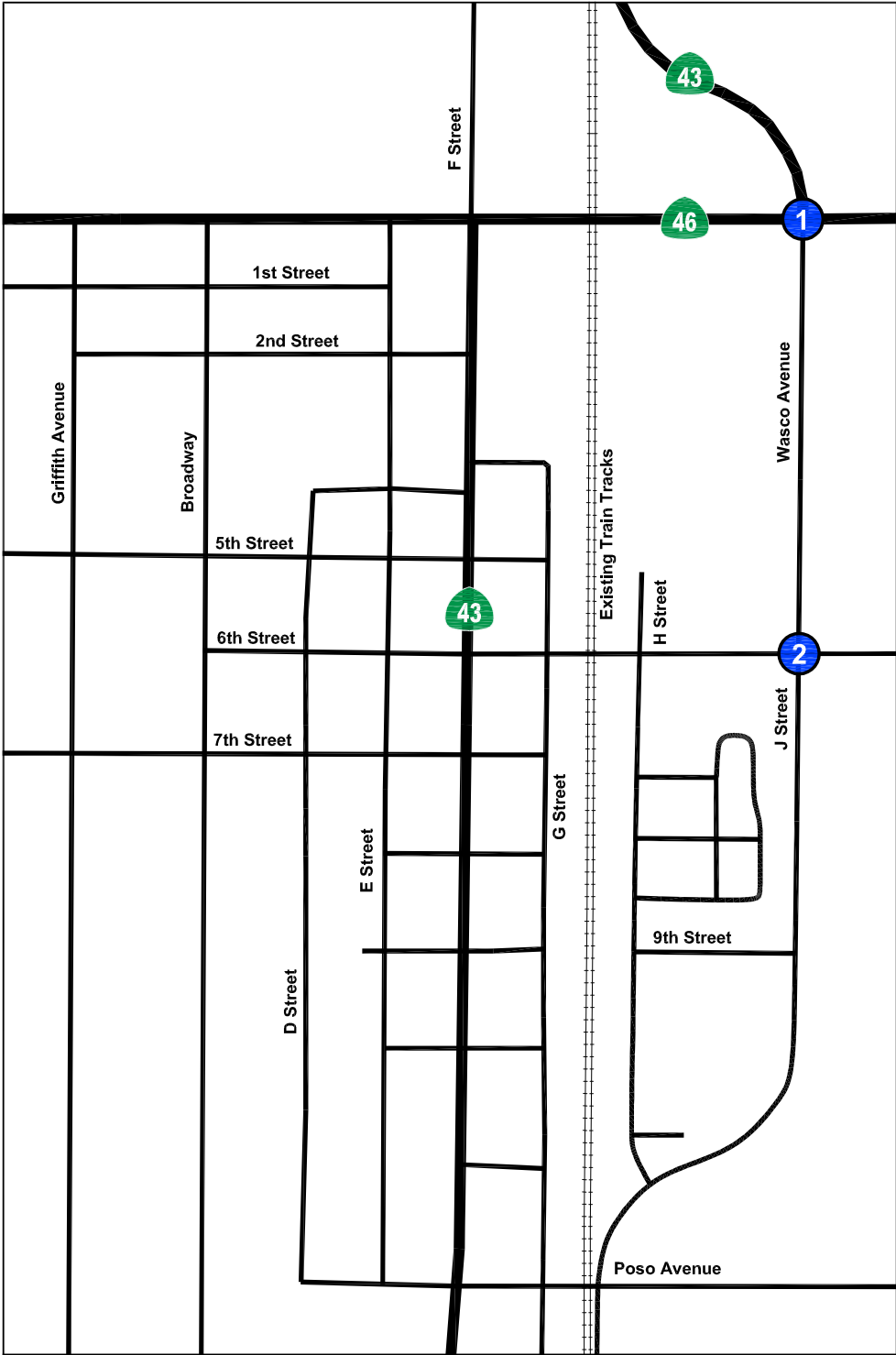


N

Not to scale

No. of lanes
NB/SB or EB/WB
ADT

⊗ = Study Intersections



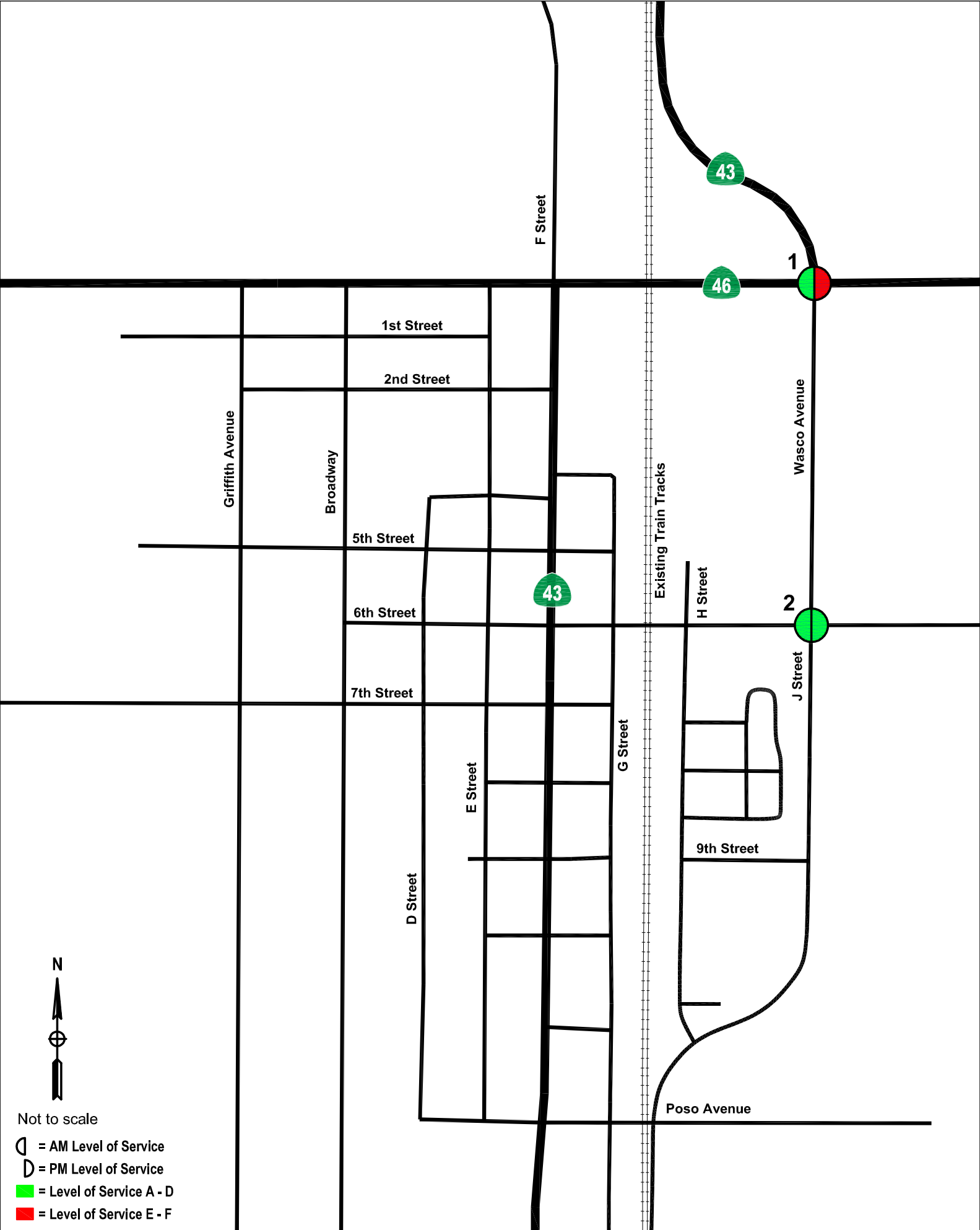
1. SR 43 - Wasco Avenue / SR 46	2. Wasco Avenue - J Street / 6th Street
<p>Diagram showing turning movement volumes for the intersection of SR 43 and SR 46. The diagram includes arrows indicating the direction of traffic flow and the corresponding volume in parentheses.</p>	<p>Diagram showing turning movement volumes for the intersection of Wasco Avenue and J Street / 6th Street. The diagram includes arrows indicating the direction of traffic flow and the corresponding volume in parentheses.</p>

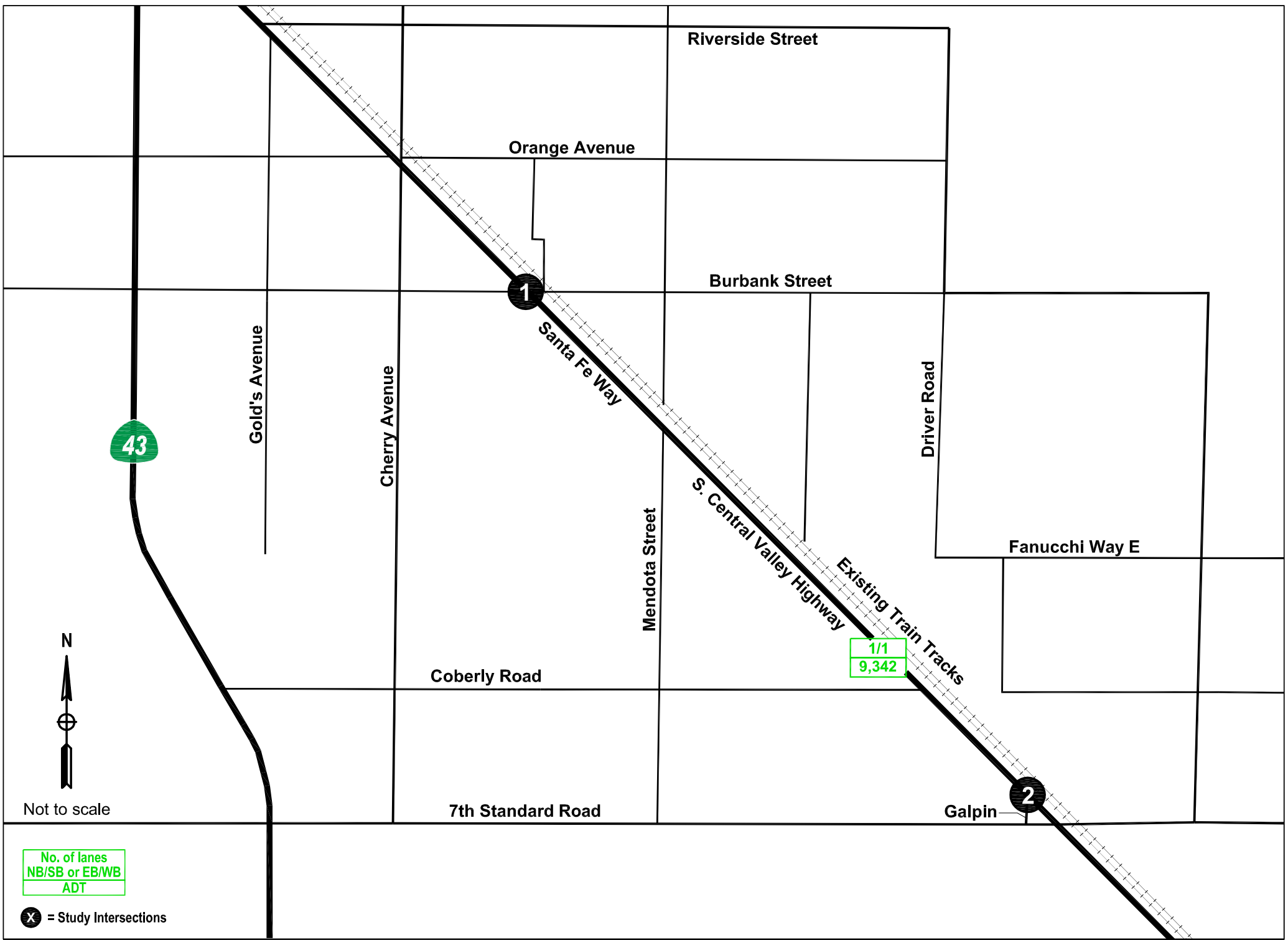


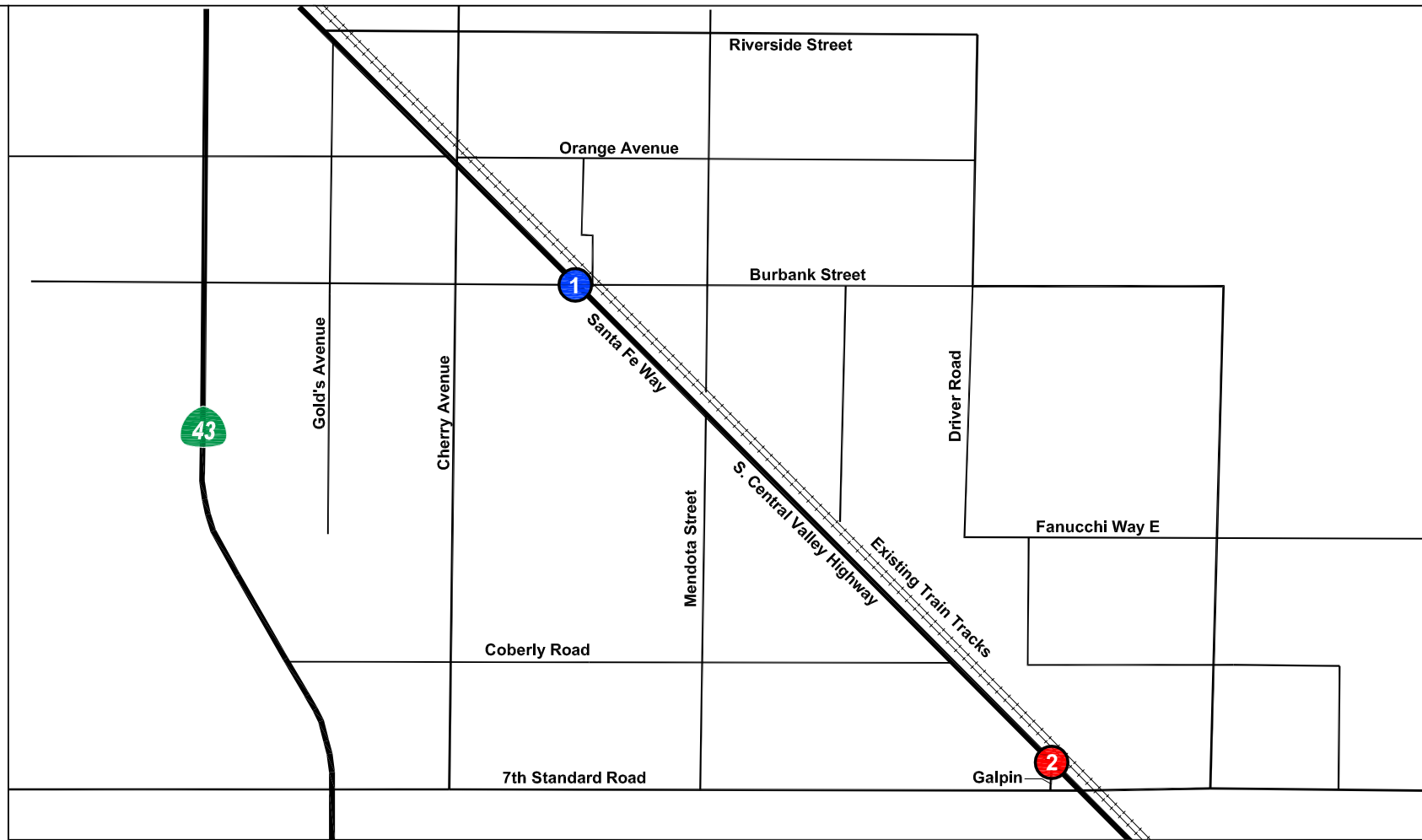
Not to scale

- = Signalized Intersection
- = Unsignalized Intersection
- XX(X) = AM(PM) Peak Hour Volumes

Wasco Heavy Maintenance Facility - Existing plus Project Peak Hour Turning Movement Volumes

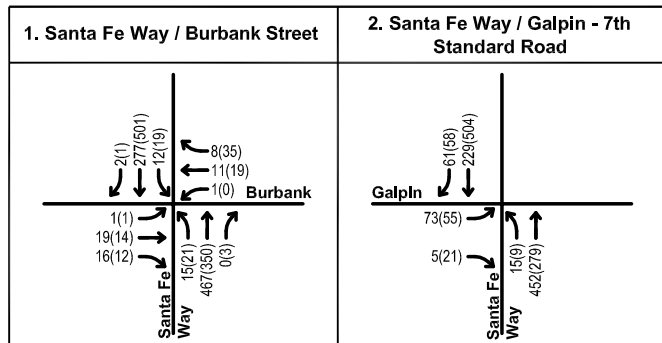


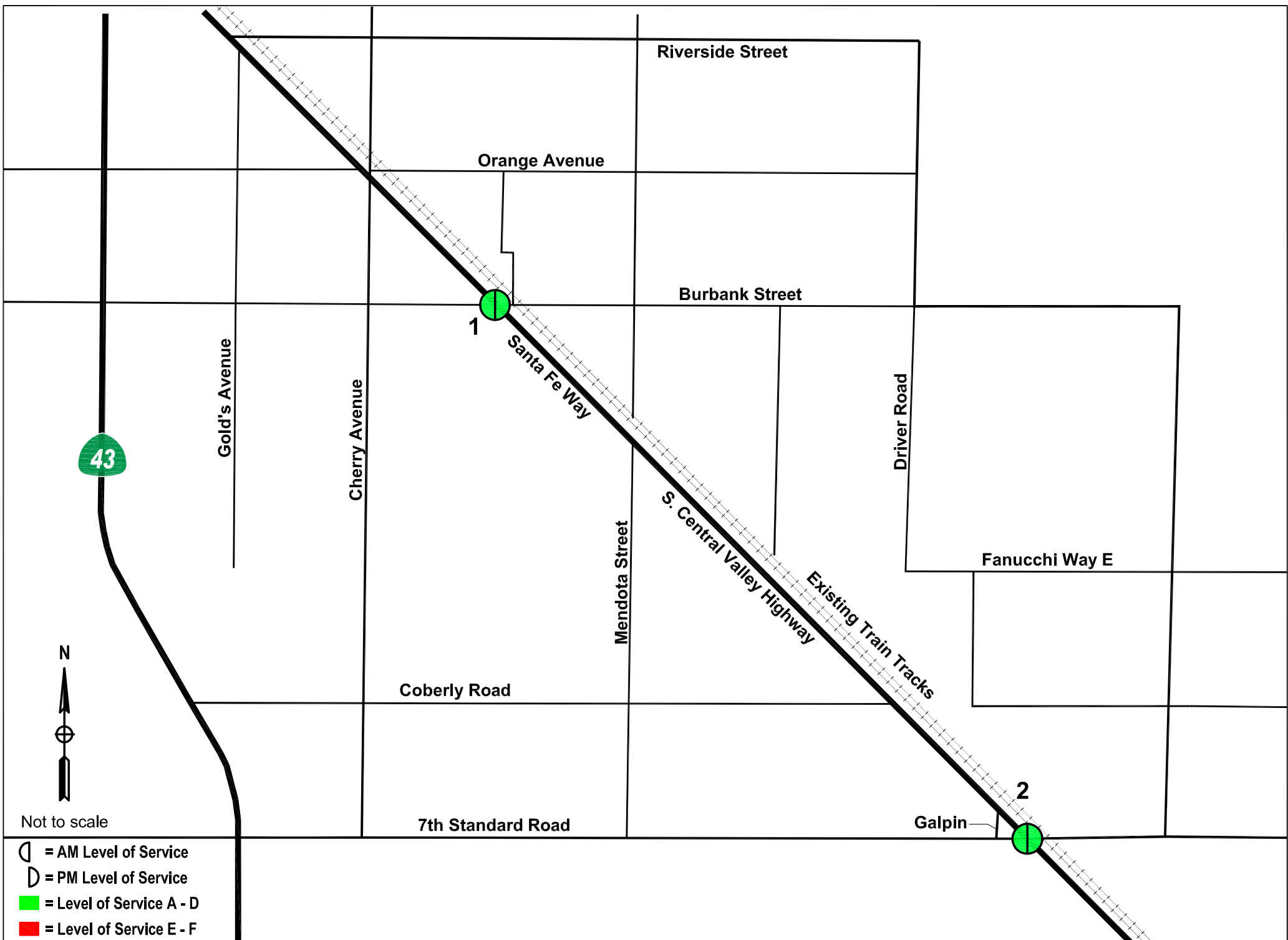


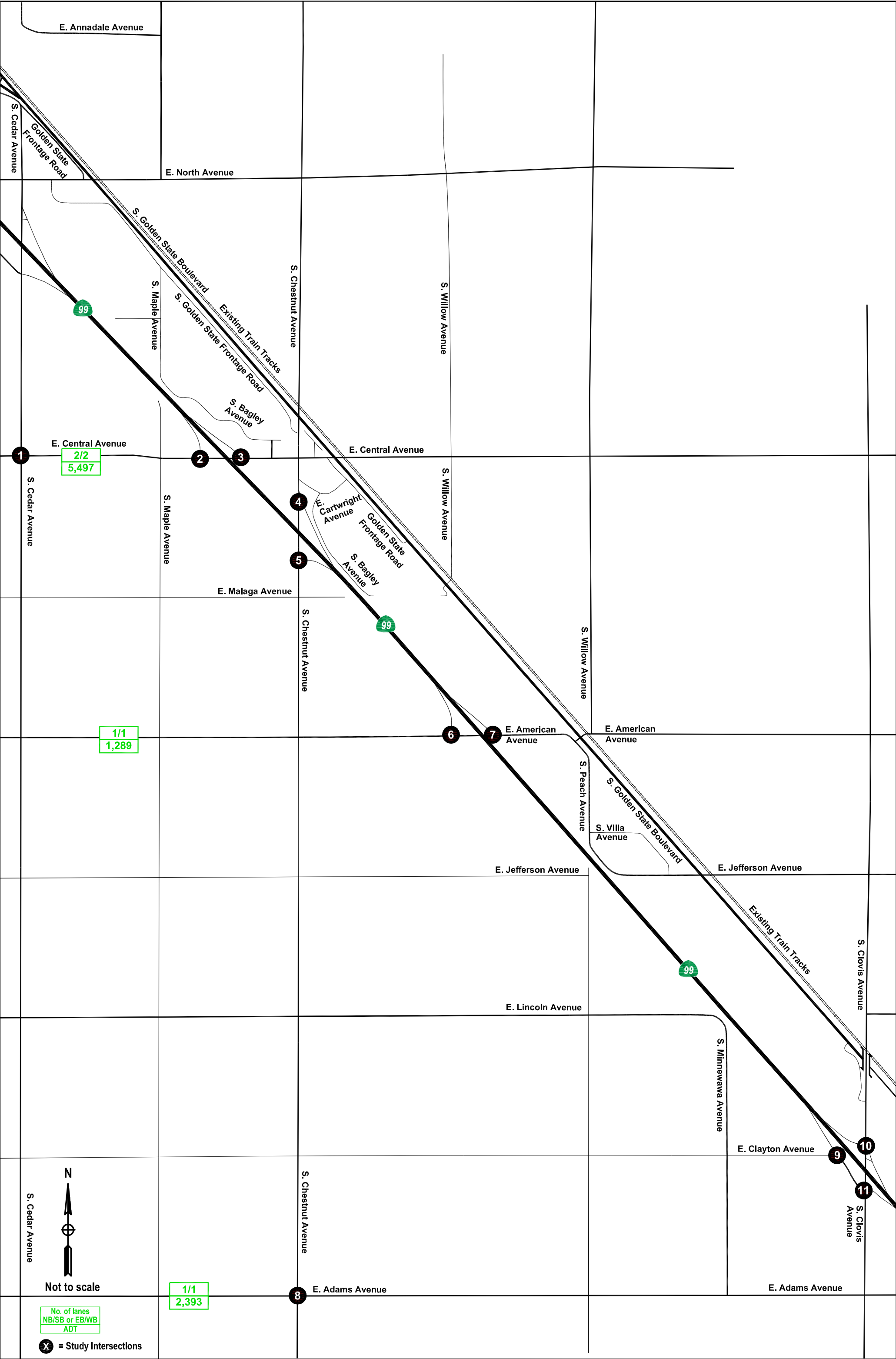


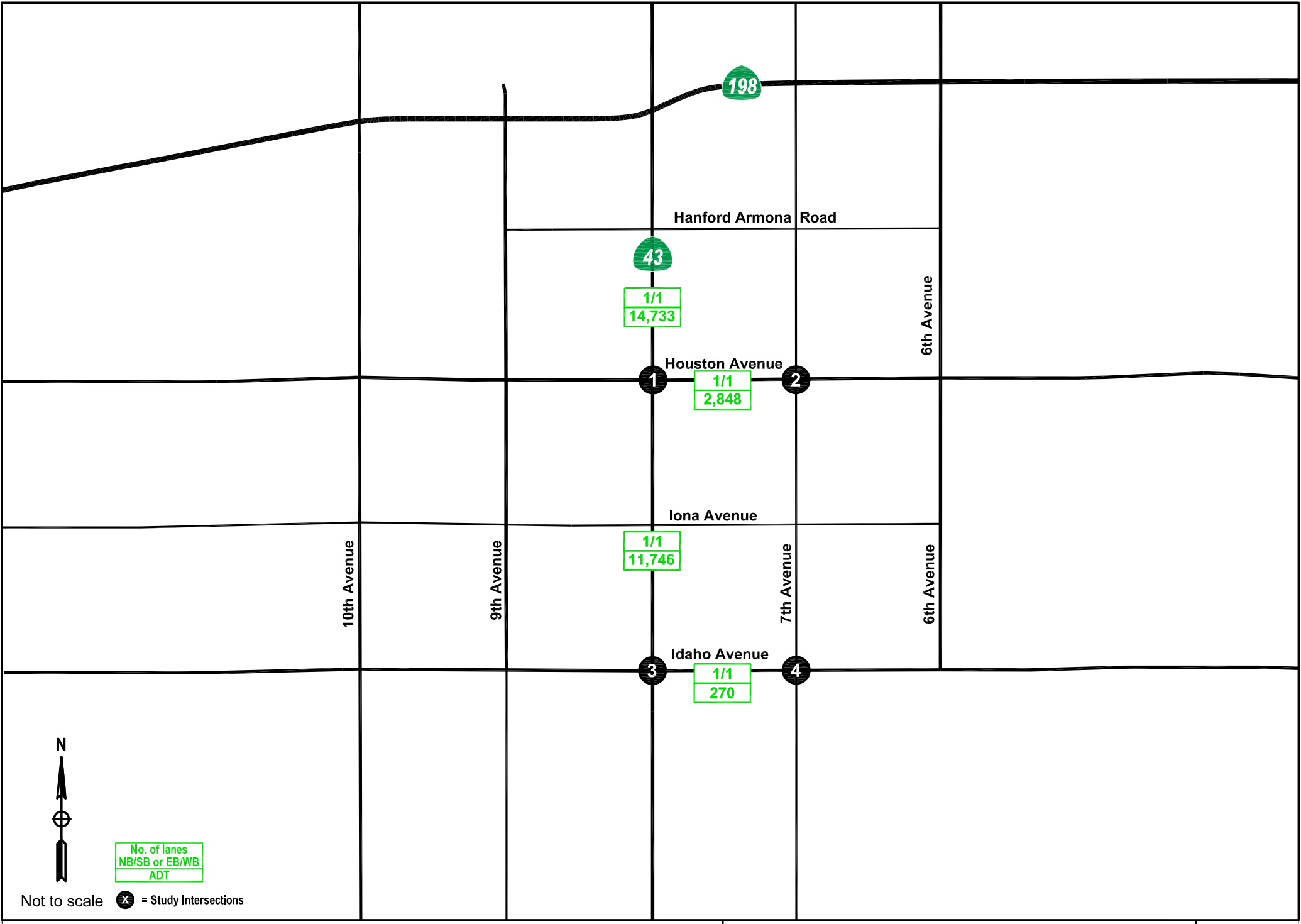
- ⊗ = Signalized Intersection
- ⊗ = Unsignalized Intersection

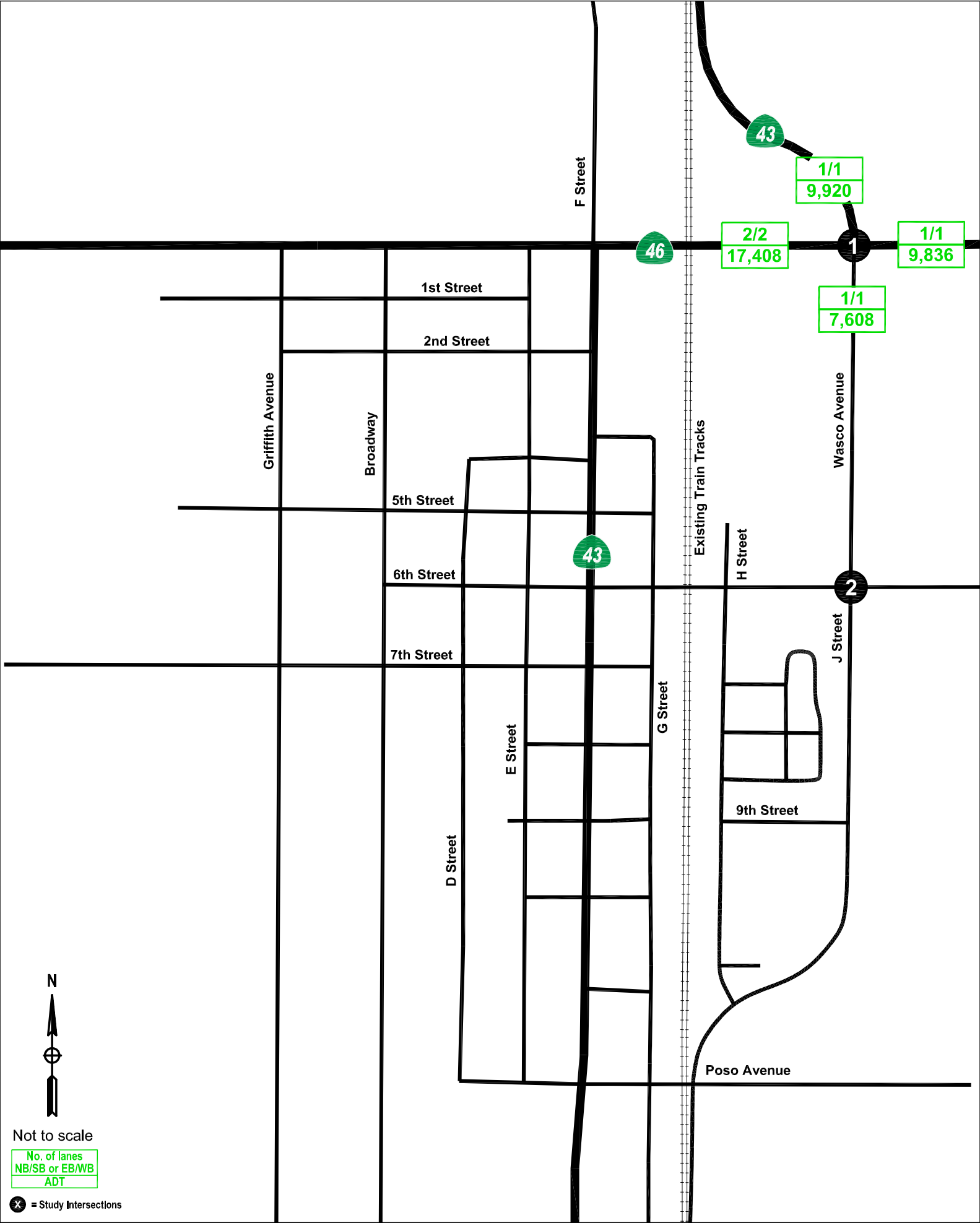
Not to scale XX(XX) = AM(PM) Peak Hour Volumes









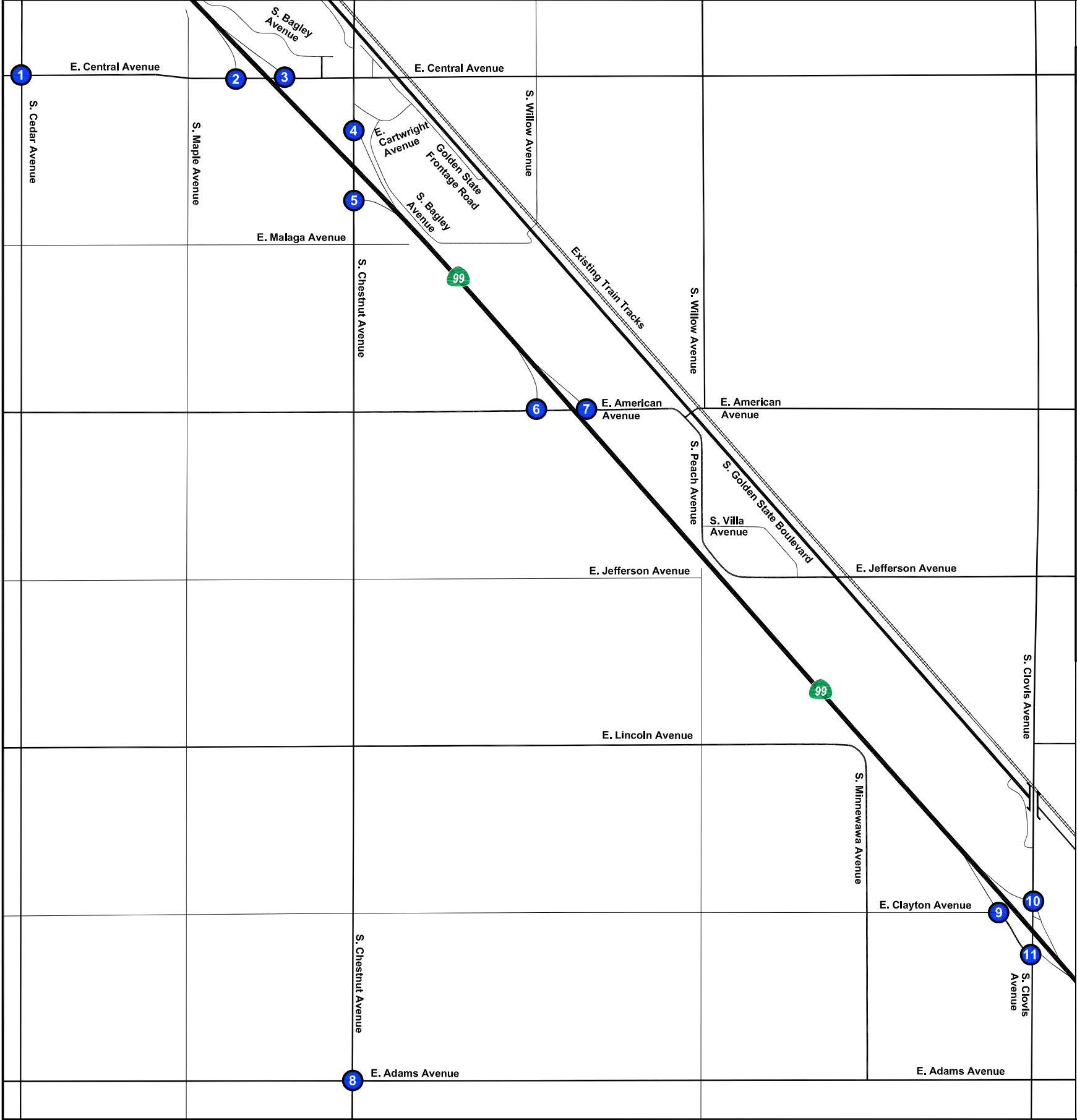


Not to scale

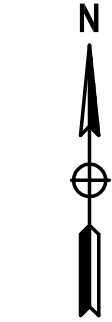
No. of lanes
NB/SB or EB/WB
ADT

X = Study Intersections



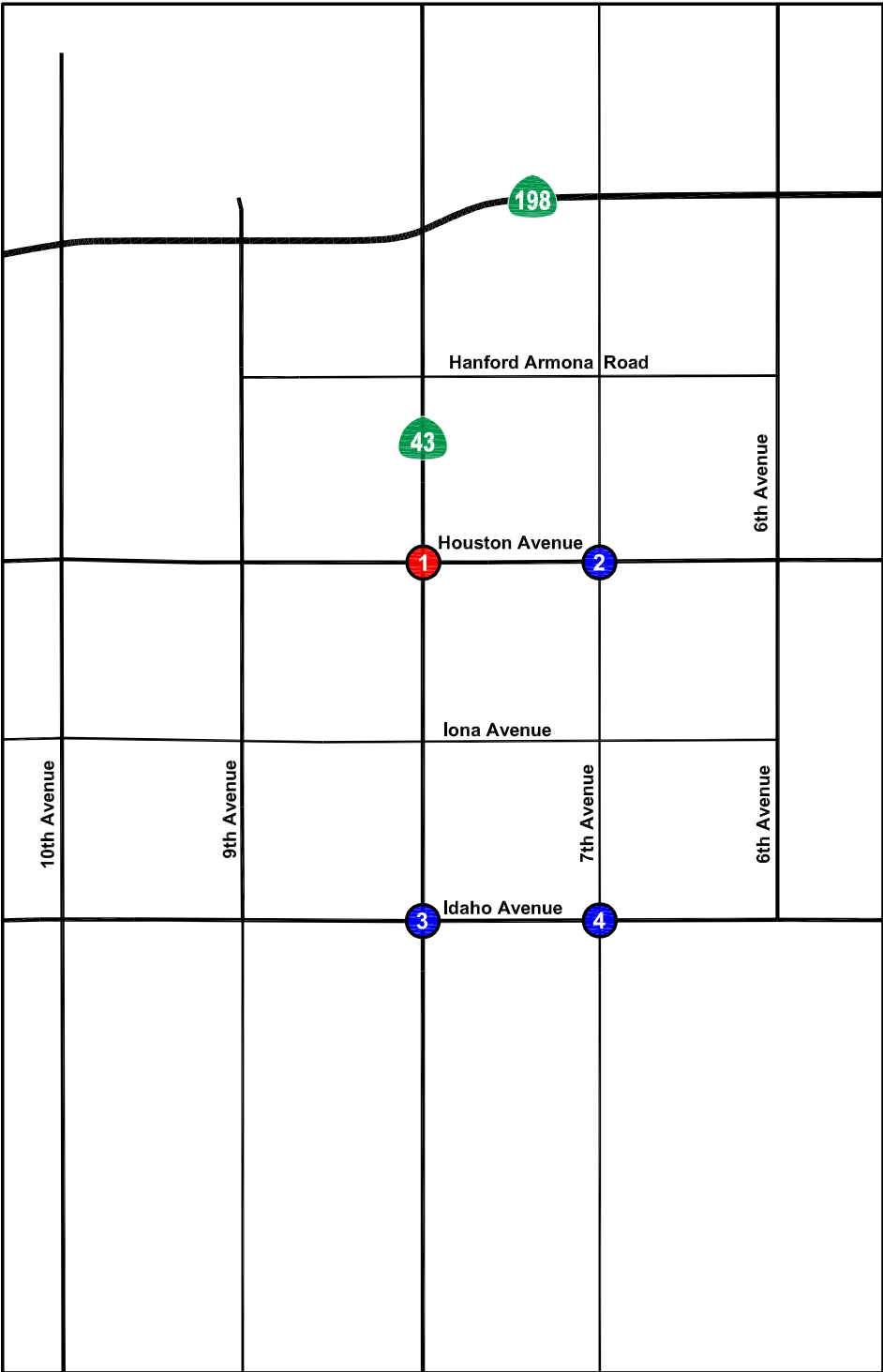


1. S. Cedar Avenue / E. Central Avenue	2. SR 99 SB Off-Ramp / E. Central Avenue	3. SR 99 NB On-Ramp / E. Central Avenue	4. S. Chestnut Avenue / SR 99 NB Off-Ramp
5. S. Chestnut Avenue / SR 99 SB On-Ramp	6. SR 99 SB Off-Ramp / E. American Avenue	7. SR 99 NB On-Ramp / E. American Avenue	8. S. Chestnut Avenue / E. Adams Avenue
9. SR 99 SB Off-Ramp / E. Clayton Avenue	10. S. Clovis Avenue / SR 99 NB Ramps	11. S. Clovis Avenue / SR 99 SB On-Ramp	



- = Signalized Intersection
- = Unsignalized Intersection

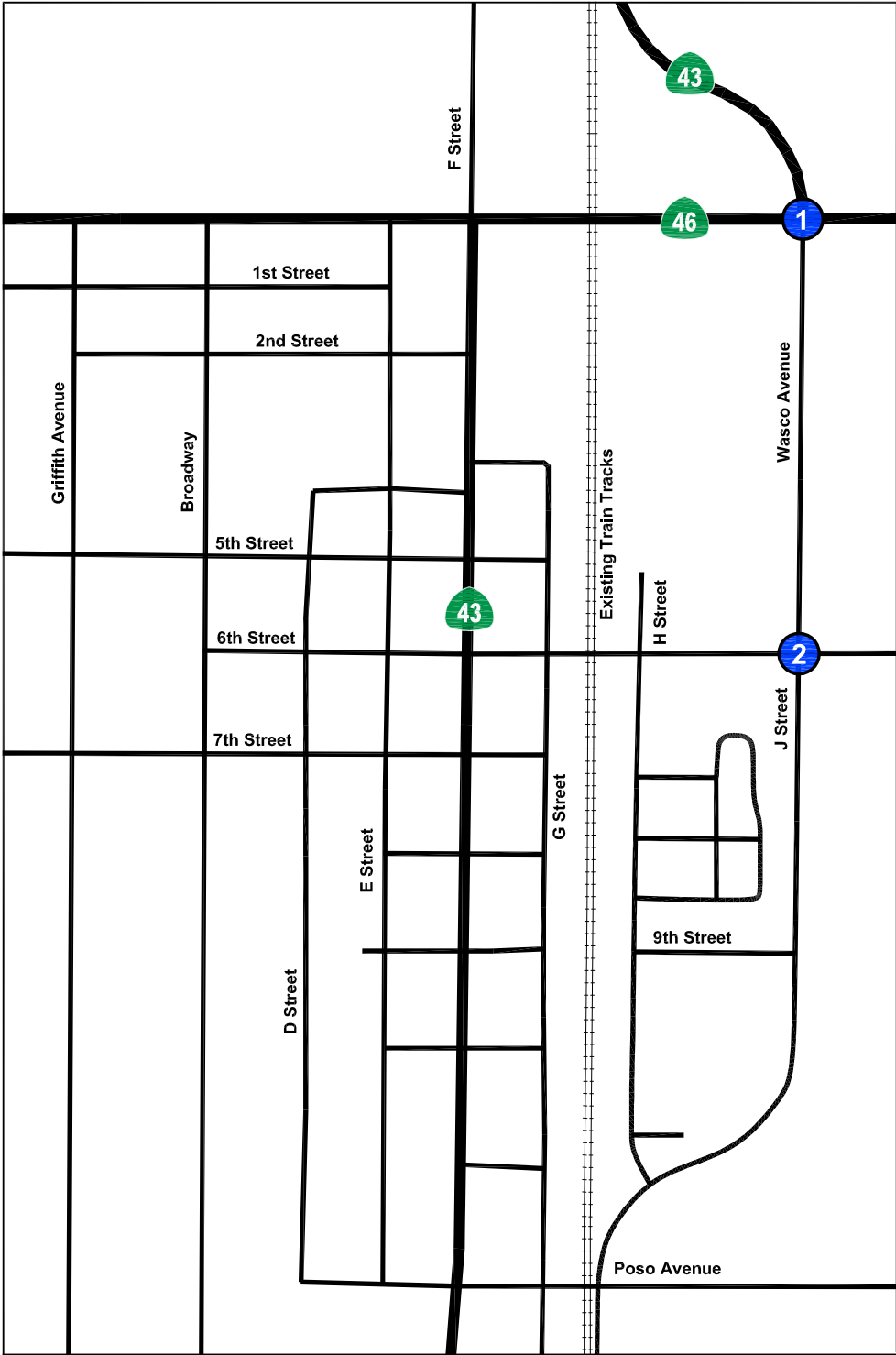
Not to scale XX(XX) = AM(PM) Peak Hour Volumes



Not to scale

- ⊗ = Signalized Intersection
- ⊗ = Unsignalized Intersection
- XX(XX) = AM(PM) Peak Hour Volumes

1. SR 43 / Houston Avenue	2. 7th Avenue / Houston Avenue
3. SR 43 / Idaho Avenue	4. 7th Avenue / Idaho Avenue

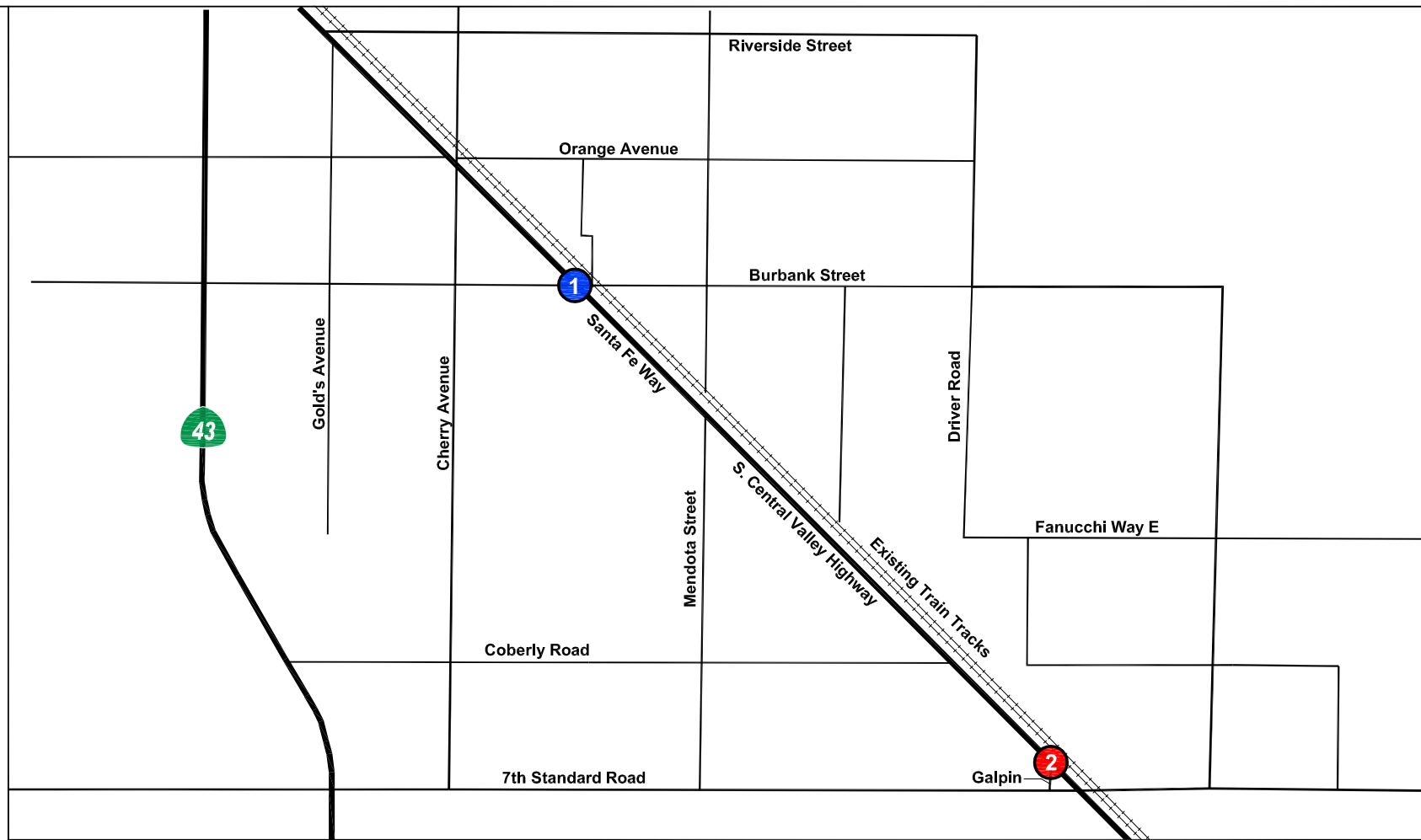


1. SR 43 - Wasco Avenue / SR 46	2. Wasco Avenue - J Street / 6th Street

N

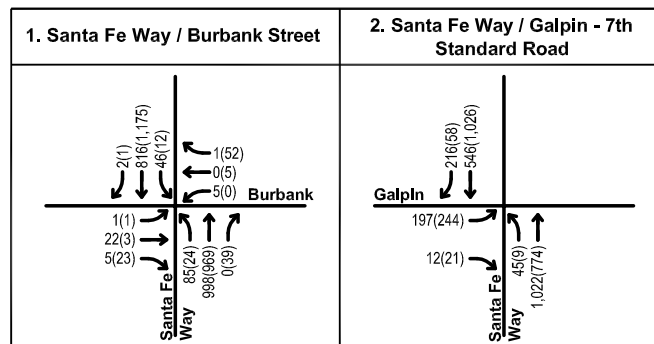
= Signalized Intersection
 = Unsignalized Intersection
 XX(XX) = AM(PM) Peak Hour Volumes

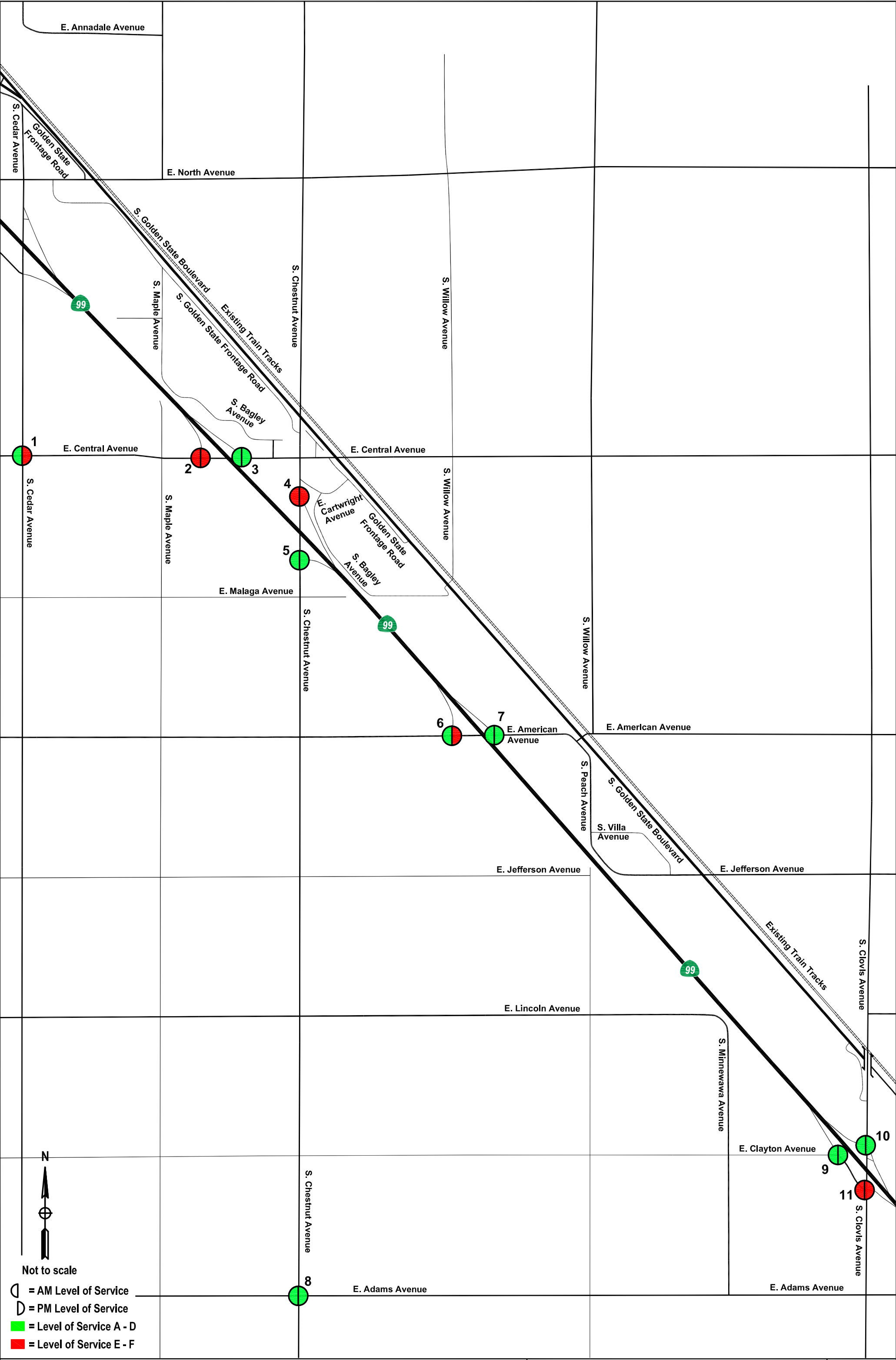
Not to scale

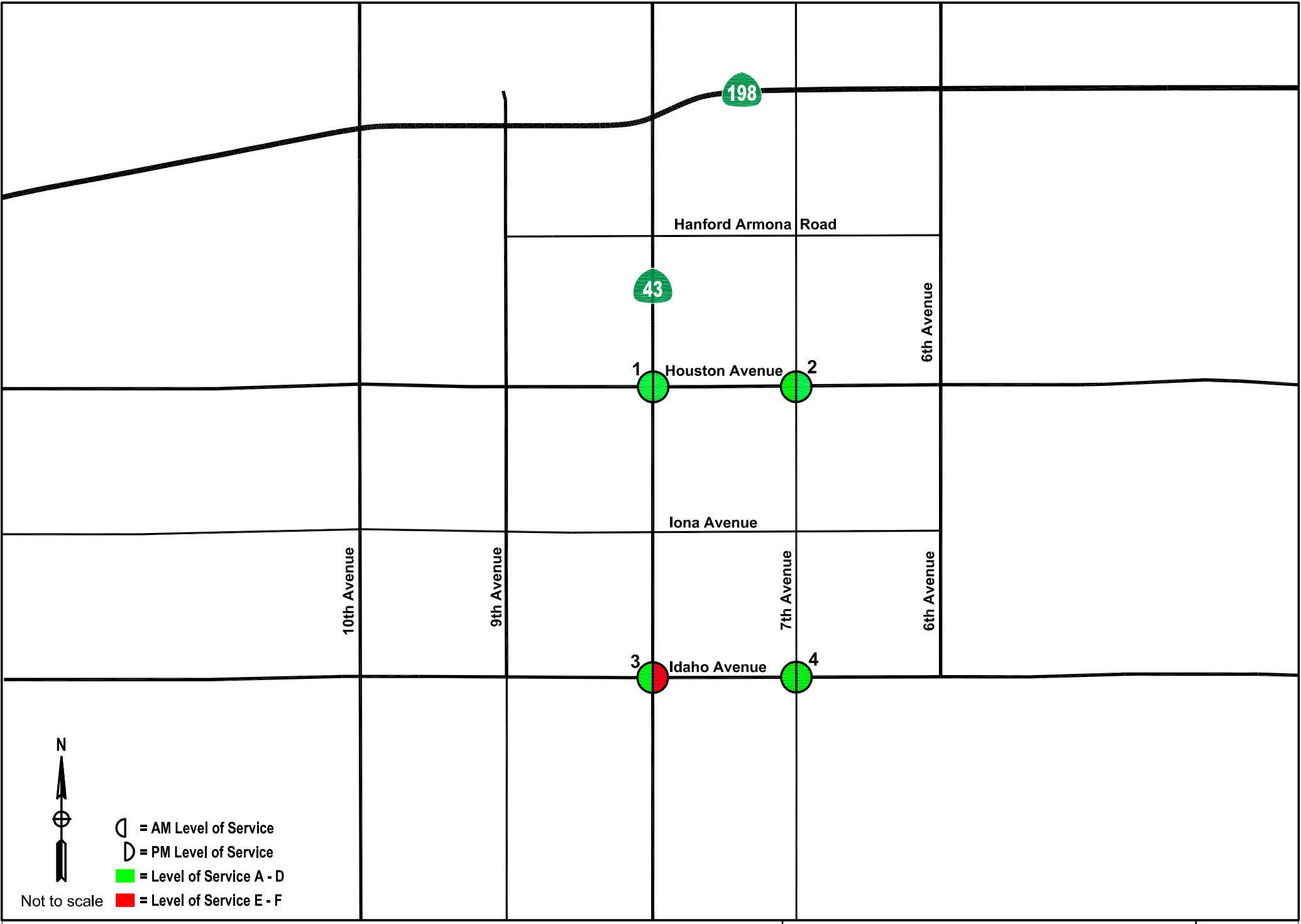


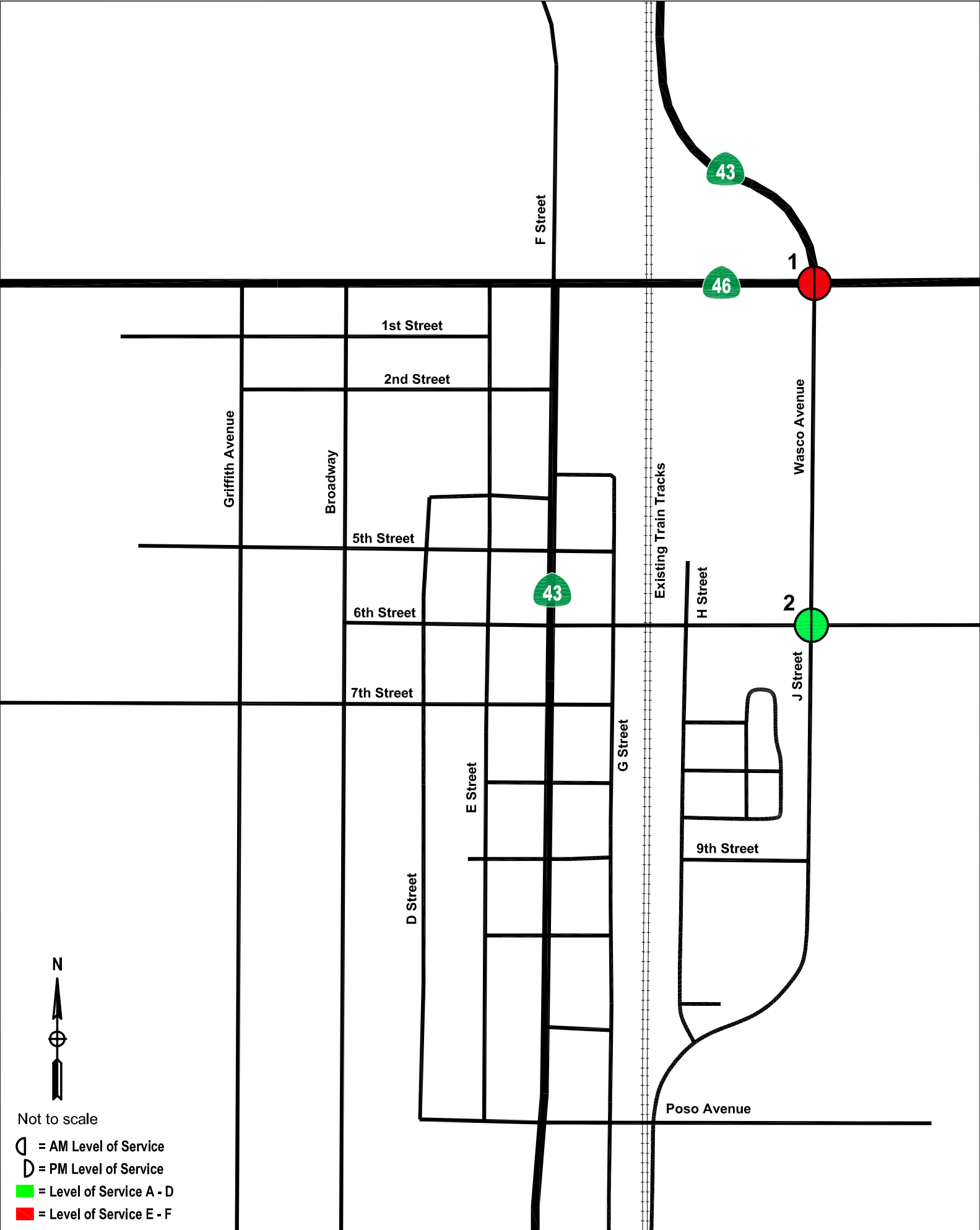
= Signalized Intersection
 = Unsignalized Intersection

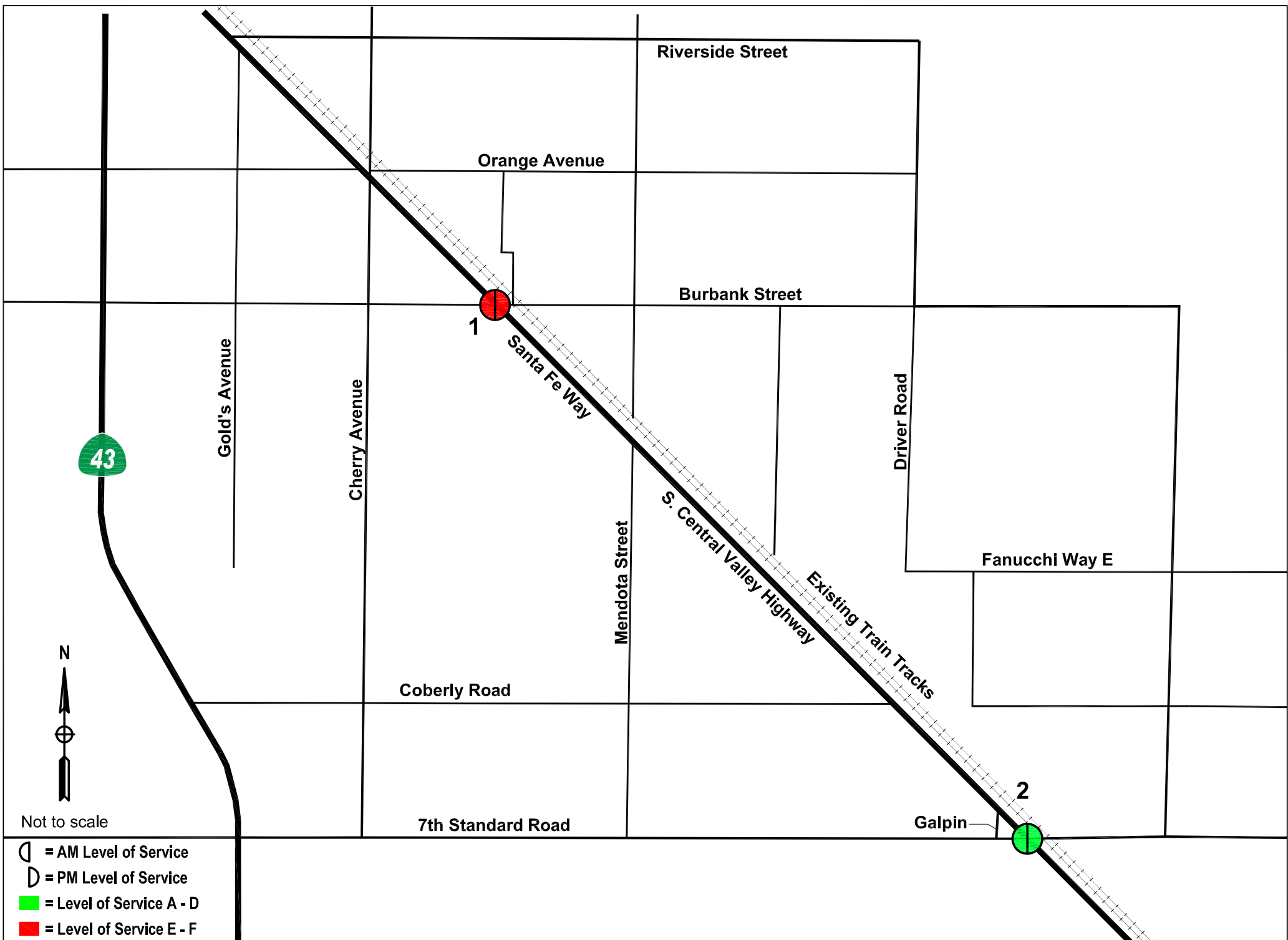
Not to scale XX(XX) = AM(PM) Peak Hour Volumes

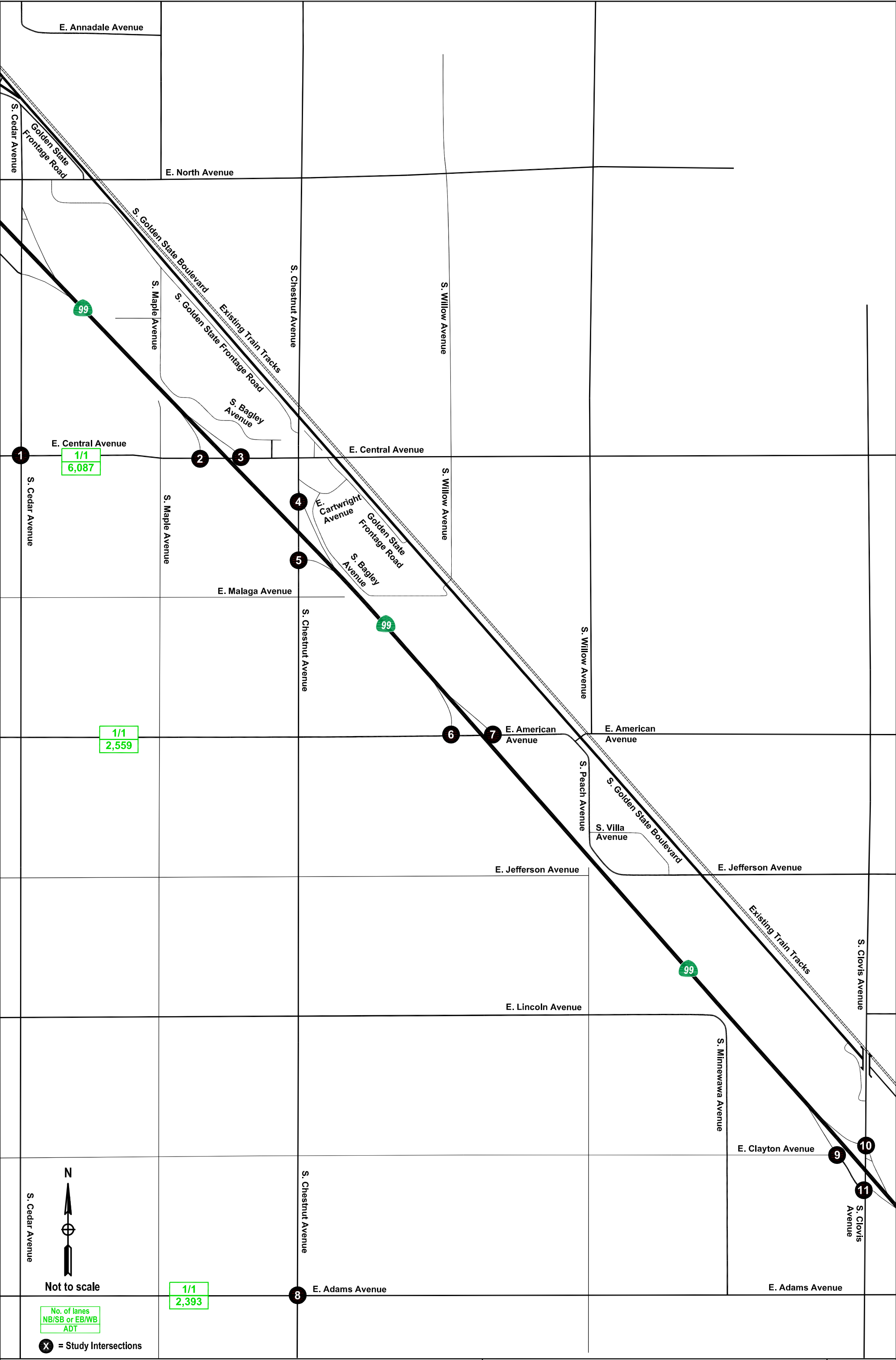


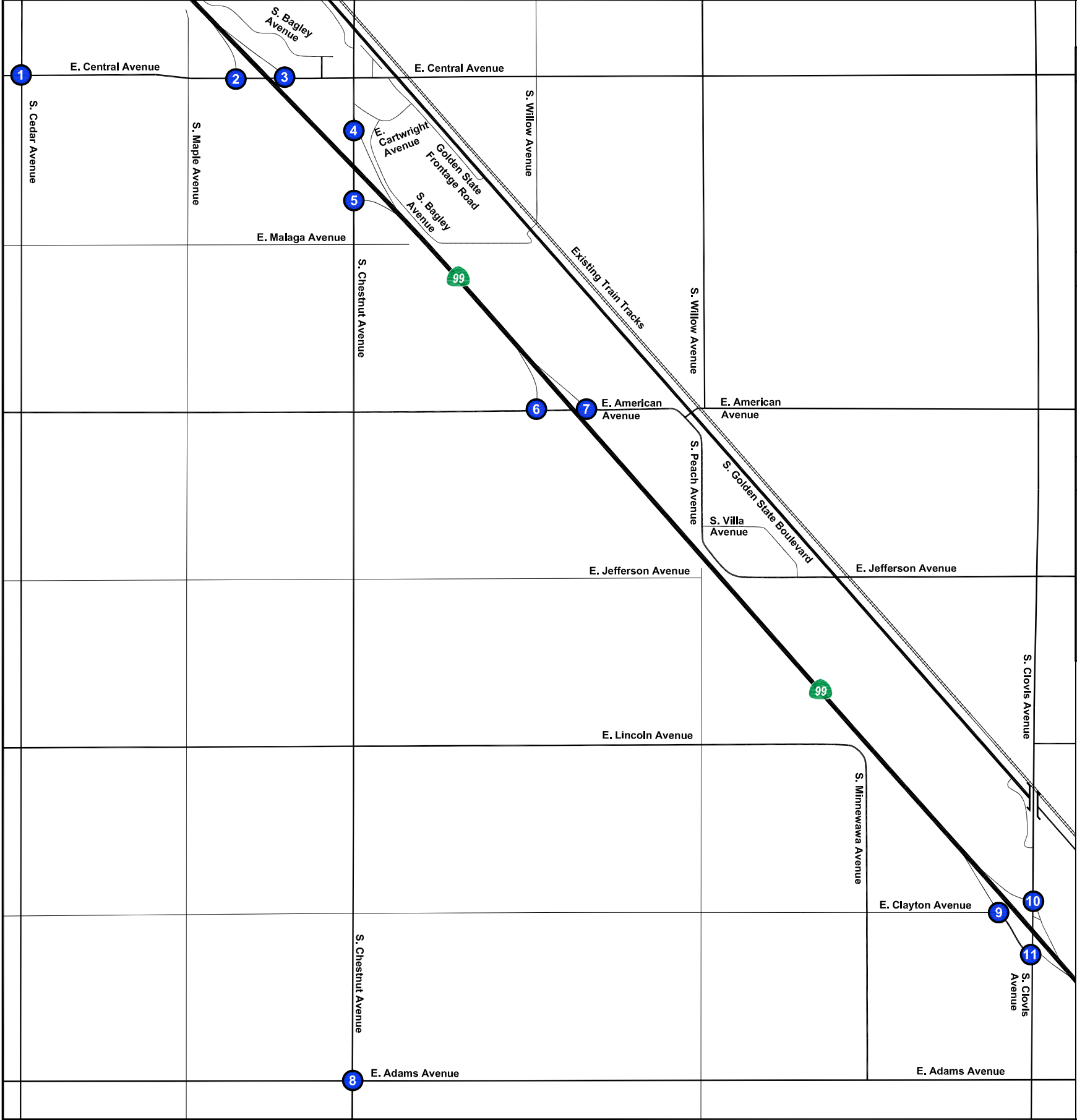




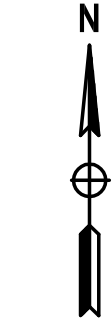






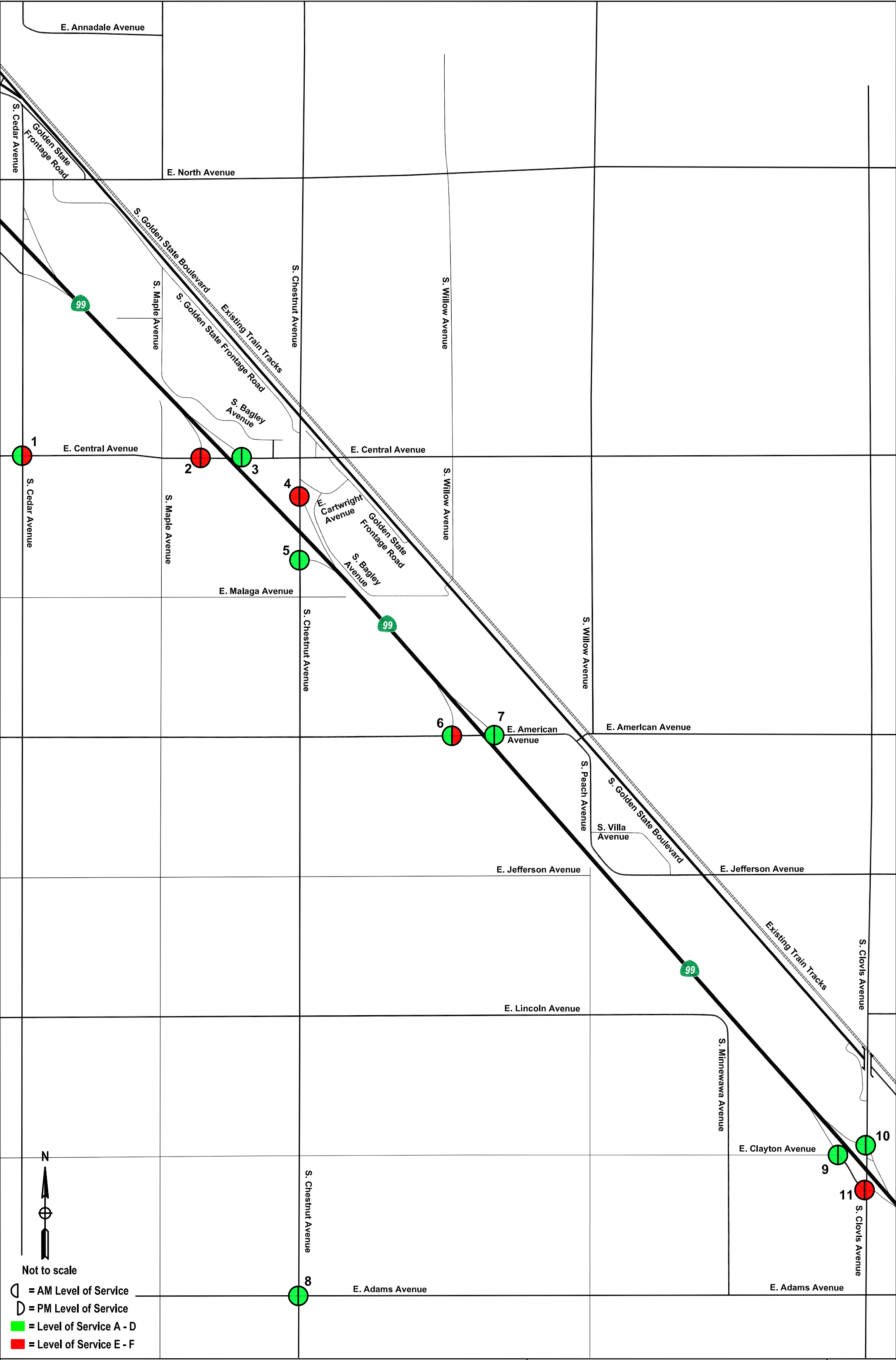


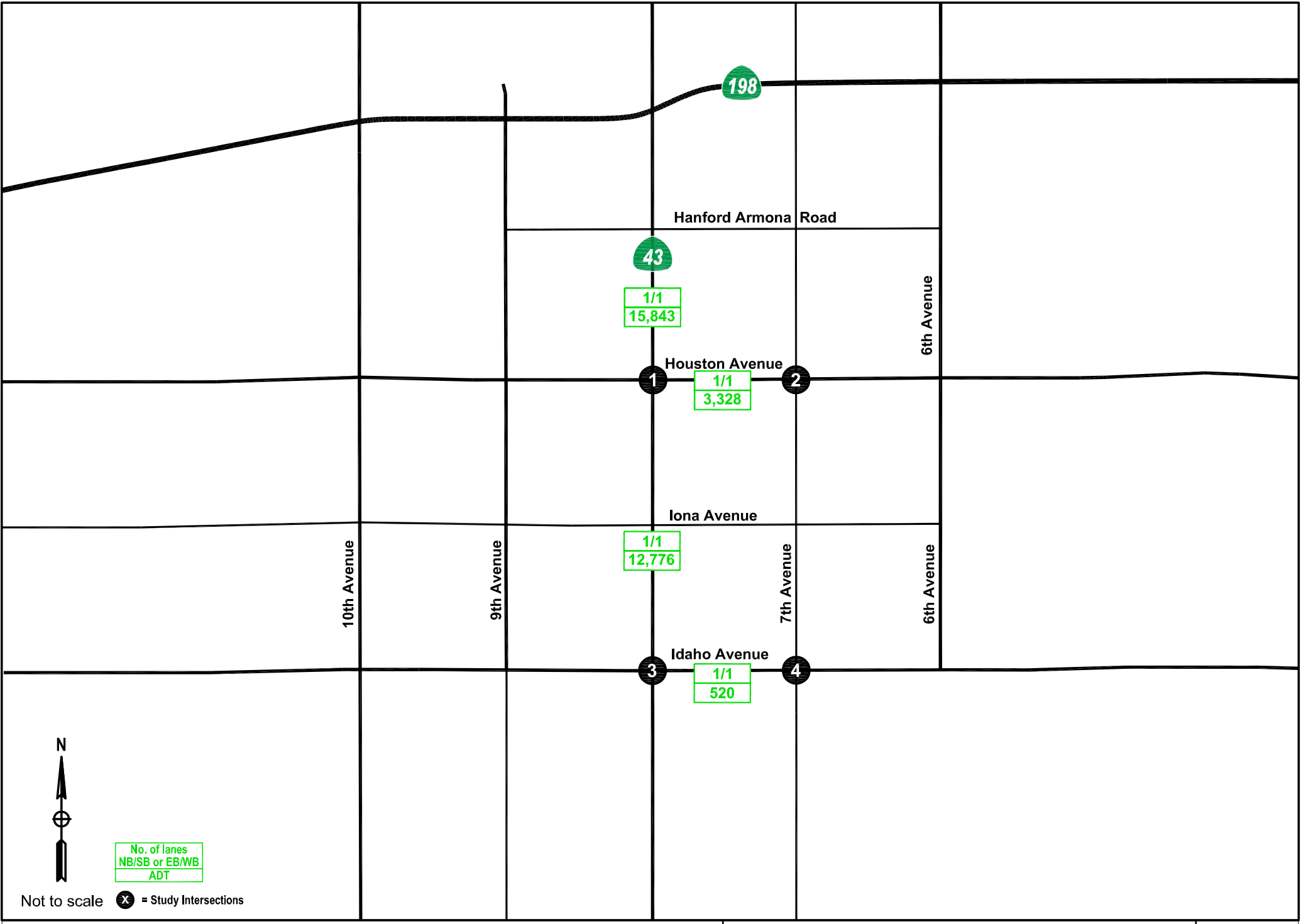
1. S. Cedar Avenue / E. Central Avenue	2. SR 99 SB Off-Ramp / E. Central Avenue	3. SR 99 NB On-Ramp / E. Central Avenue	4. S. Chestnut Avenue / SR 99 NB Off-Ramp
5. S. Chestnut Avenue / SR 99 SB On-Ramp	6. SR 99 SB Off-Ramp / E. American Avenue	7. SR 99 NB On-Ramp / E. American Avenue	8. S. Chestnut Avenue / E. Adams Avenue
9. SR 99 SB Off-Ramp / E. Clayton Avenue	10. S. Clovis Avenue / SR 99 NB Ramps	11. S. Clovis Avenue / SR 99 SB On-Ramp	

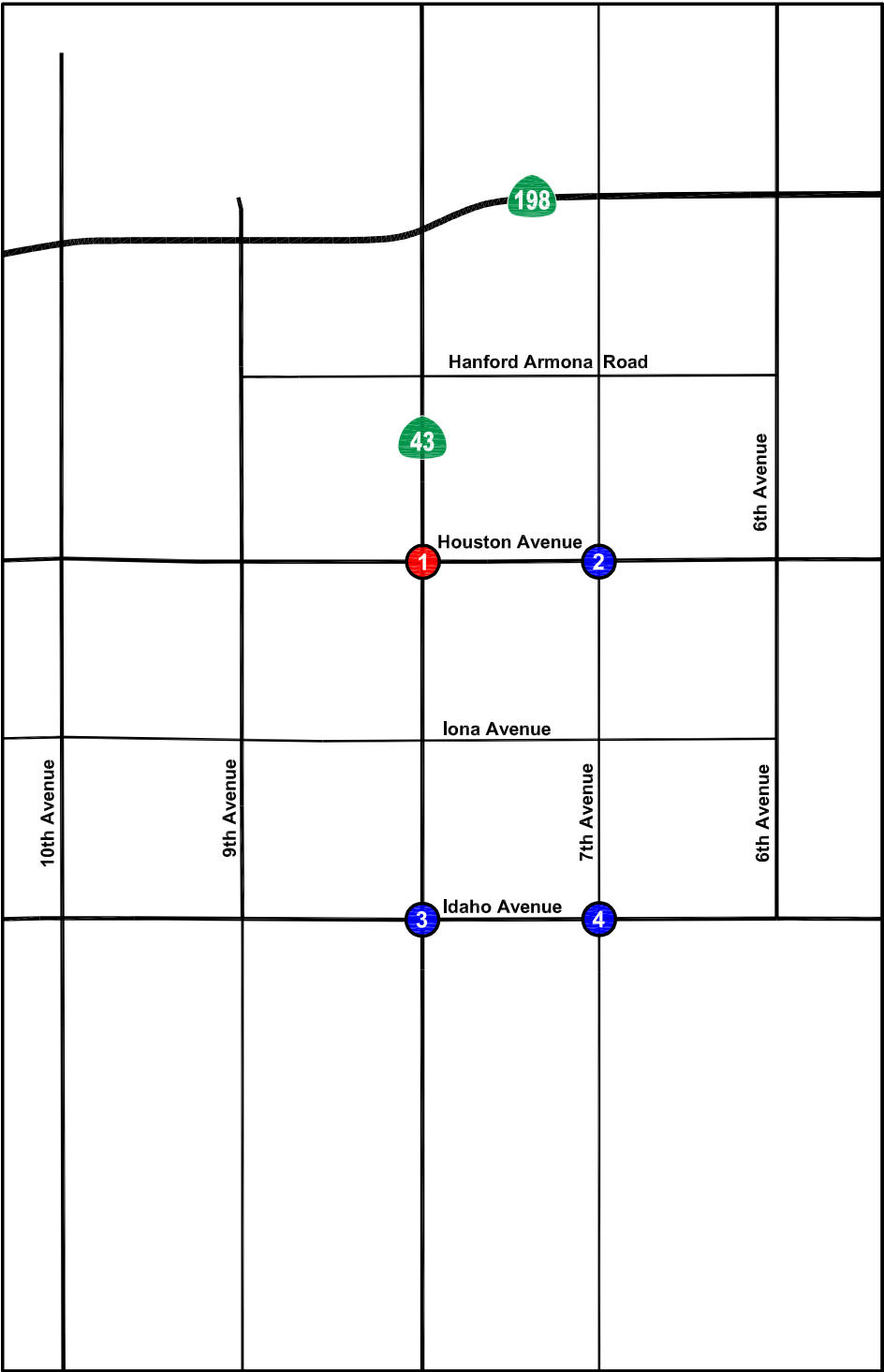


- = Signalized Intersection
- = Unsignalized Intersection



Not to scale XX(XX) = AM(PM) Peak Hour Volumes

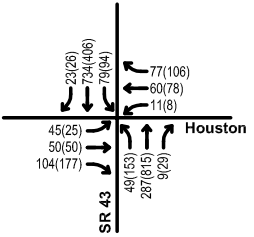
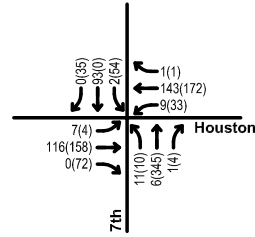
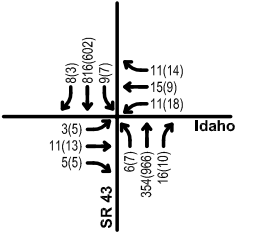
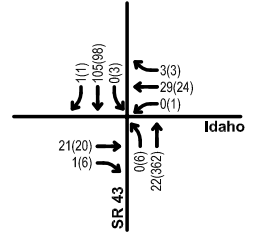


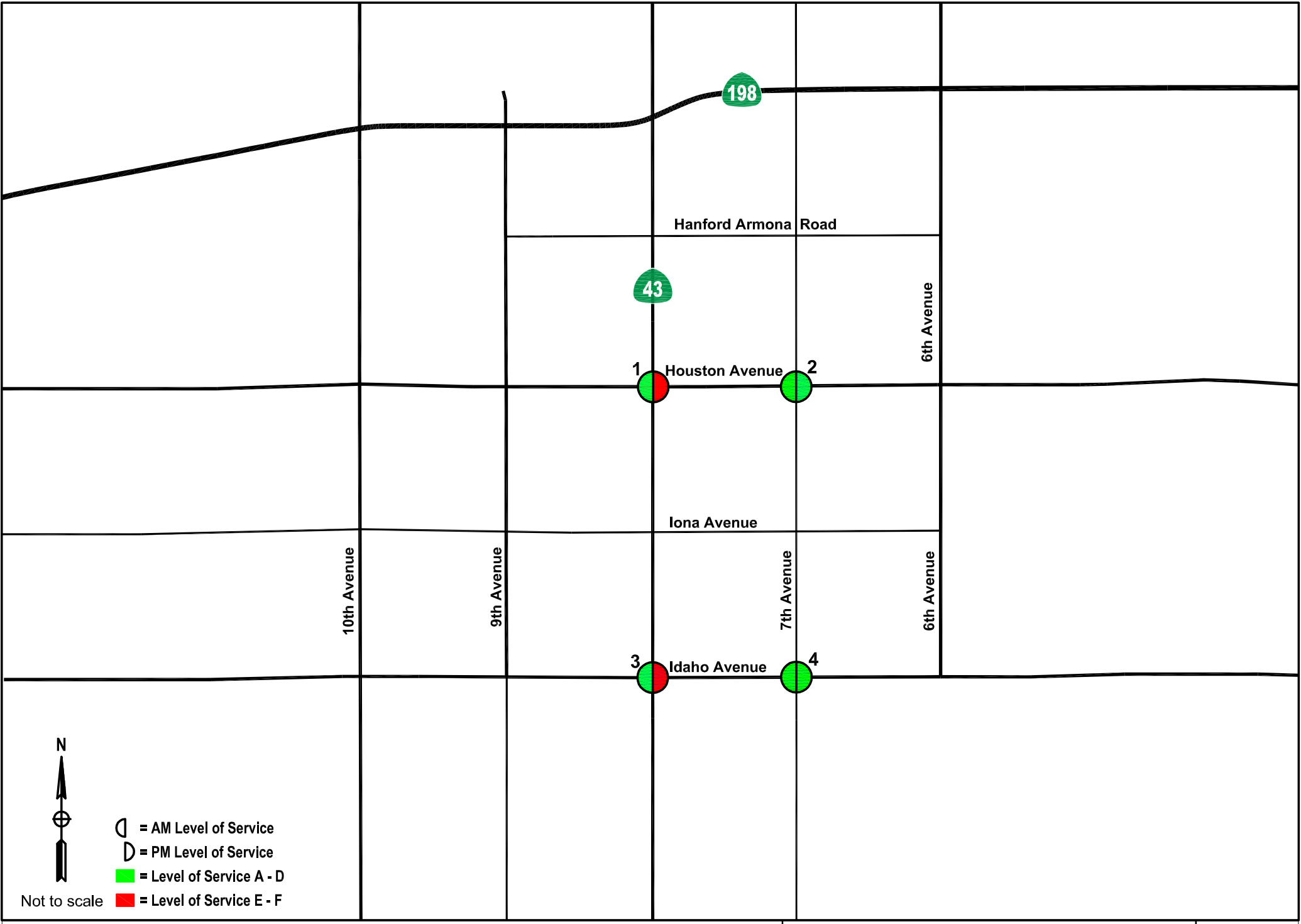


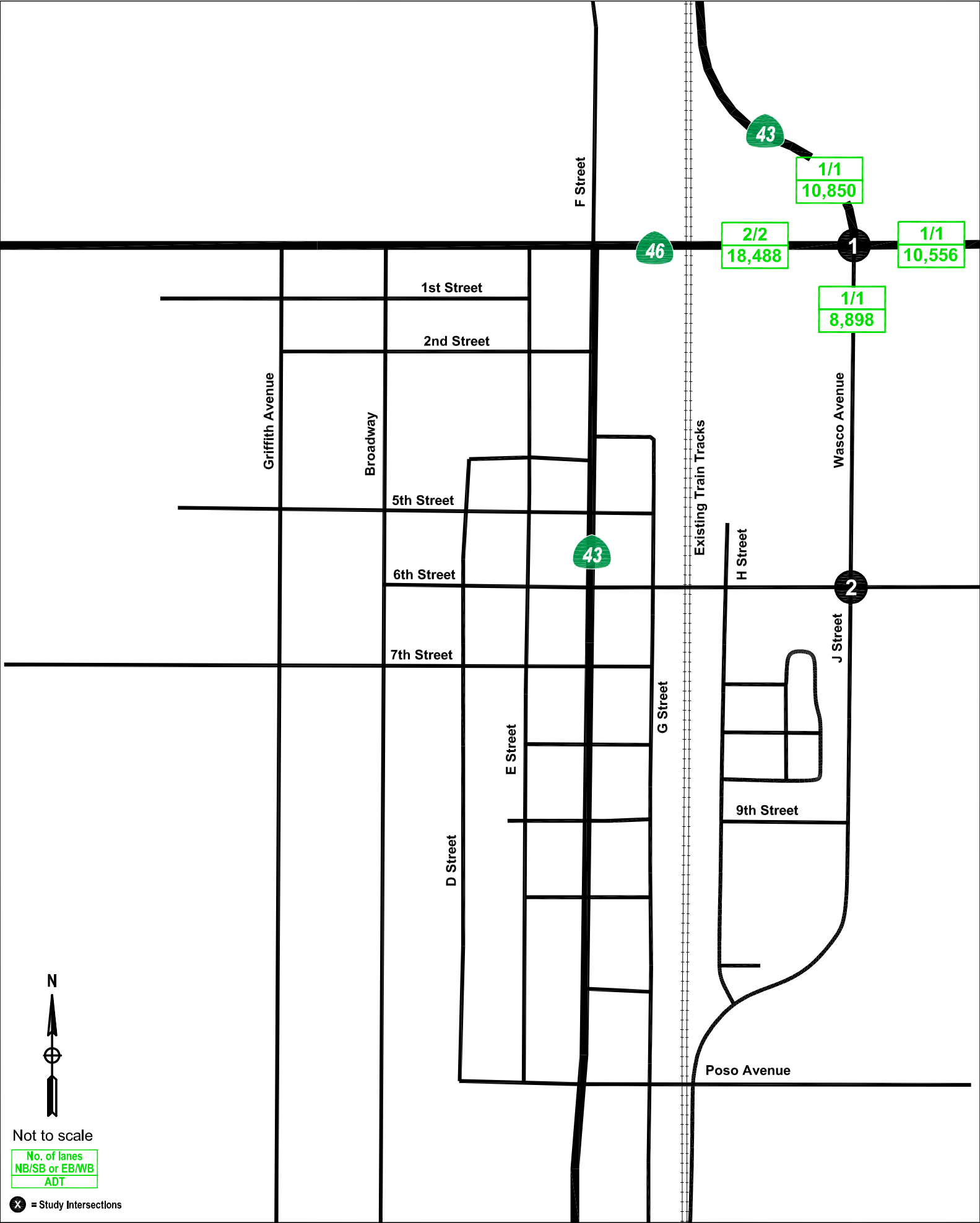


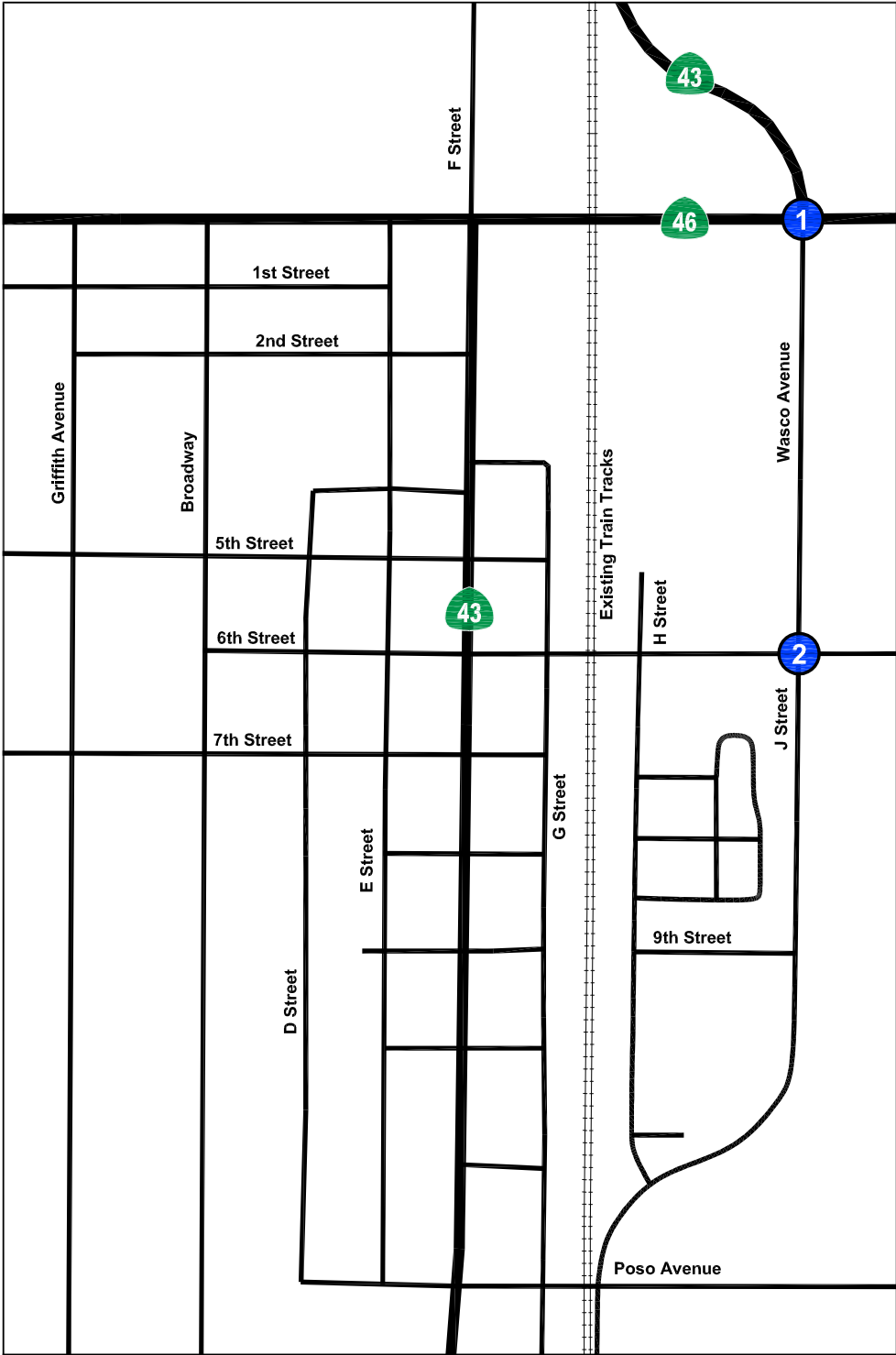
Not to scale

-  = Signalized Intersection
-  = Unsignalized Intersection
- XX(XX) = AM(PM) Peak Hour Volumes

1. SR 43 / Houston Avenue	2. 7th Avenue / Houston Avenue
	
3. SR 43 / Idaho Avenue	4. 7th Avenue / Idaho Avenue
	







1. SR 43 - Wasco Avenue / SR 46	2. Wasco Avenue - J Street / 6th Street
<p>Diagram 1 shows the intersection of SR 43, SR 46, and Wasco Avenue. Traffic volumes are as follows:</p> <ul style="list-style-type: none"> SR 43 (Northbound): 180(296) left, 170(271) through, 30(20) right. SR 46 (Eastbound): 271(299) left, 401(423) through, 105(153) right. Wasco Avenue (Southbound): 149(134) left, 261(243) through, 58(42) right. SR 43 (Southbound): 21(20) left, 376(512) through, 18(60) right. 	<p>Diagram 2 shows the intersection of Wasco Avenue, 6th Street, and J Street. Traffic volumes are as follows:</p> <ul style="list-style-type: none"> Wasco Avenue (Northbound): 39(69) left, 156(381) through. 6th Street (Eastbound): 52(60) left, 5(6) right. J Street (Southbound): 7(9) left, 390(300) through, 3(0) right. Wasco Avenue (Westbound): 1(0) left.



Not to scale

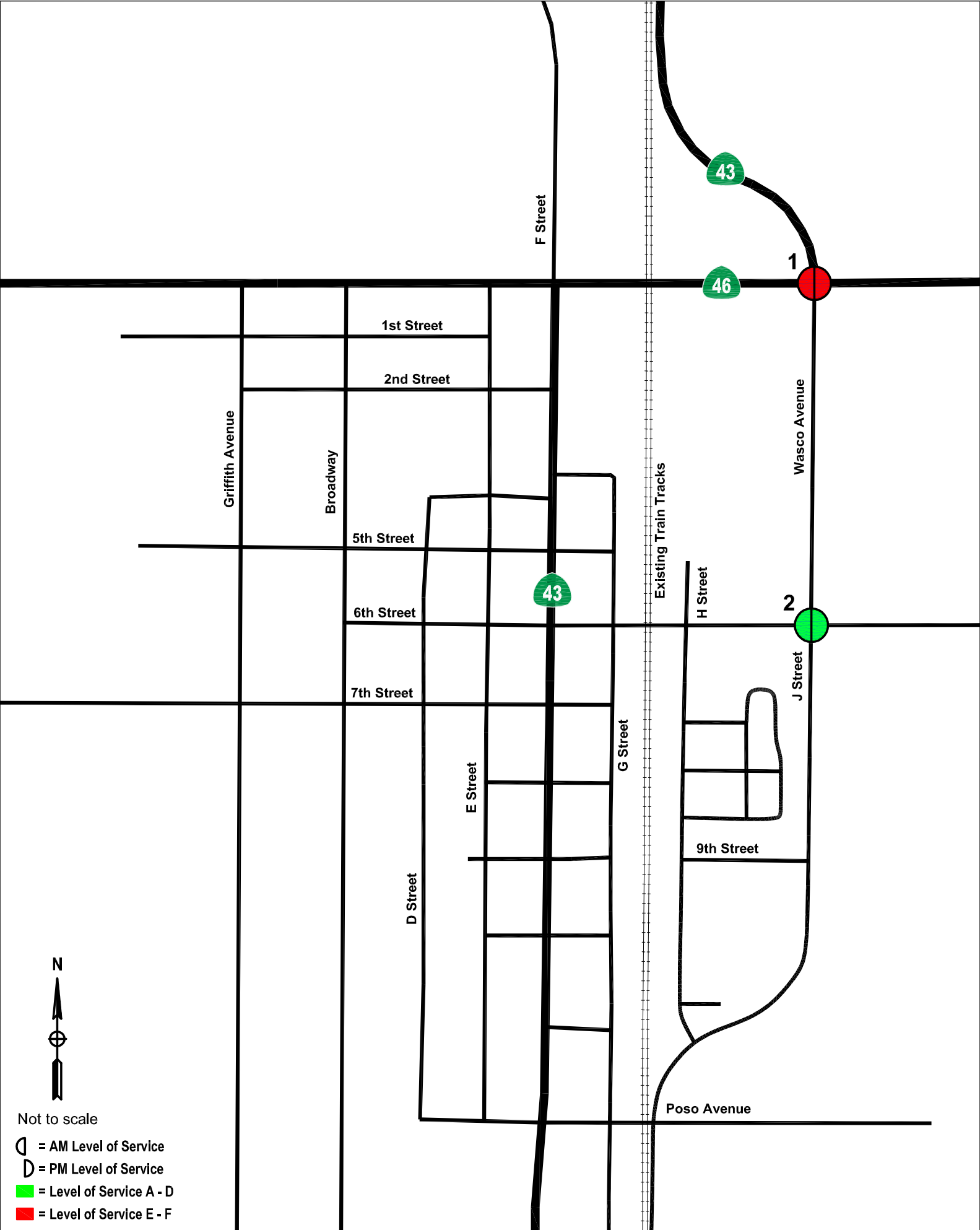


= Signalized Intersection

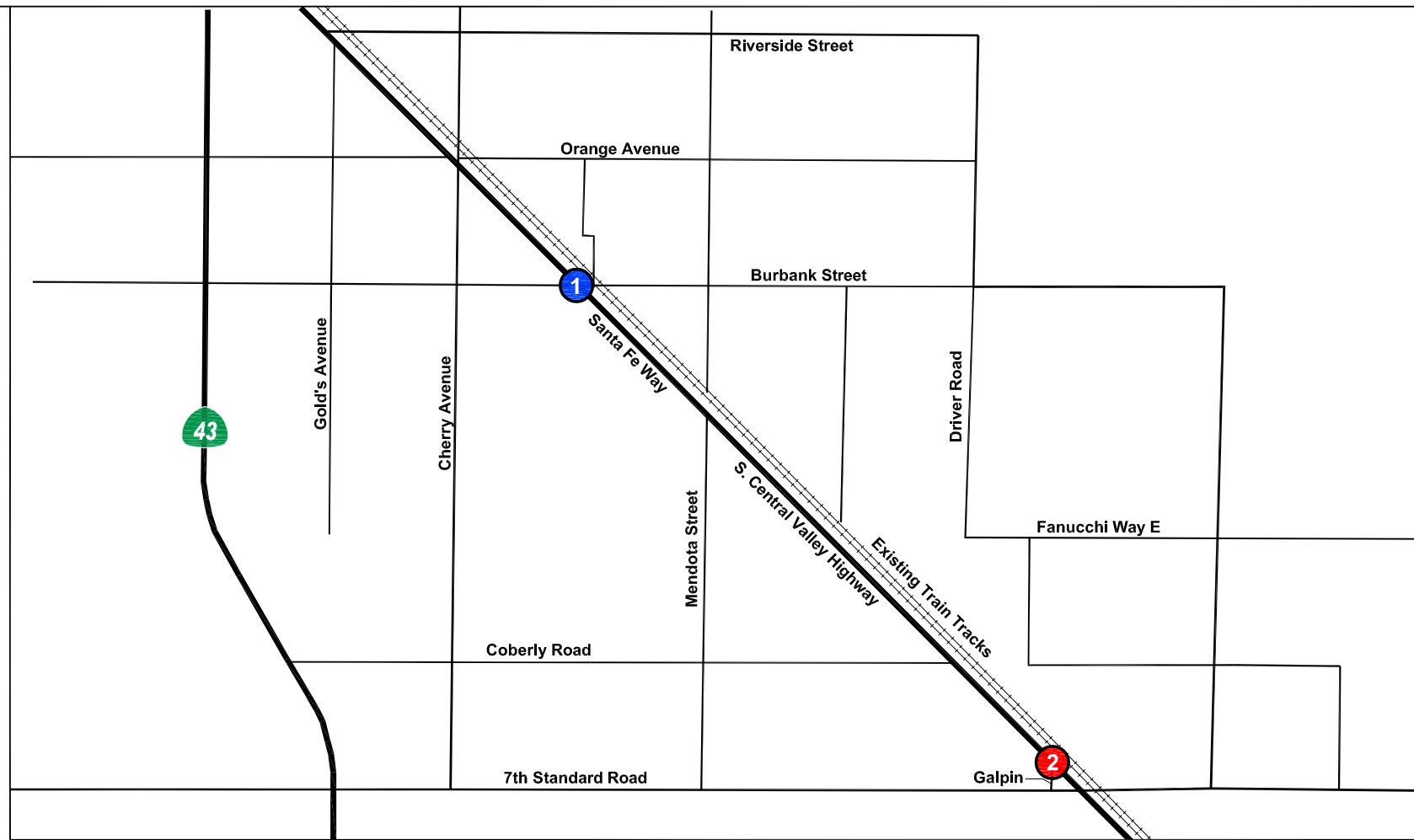


= Unsignalized Intersection

XX(X) = AM(PM) Peak Hour Volumes



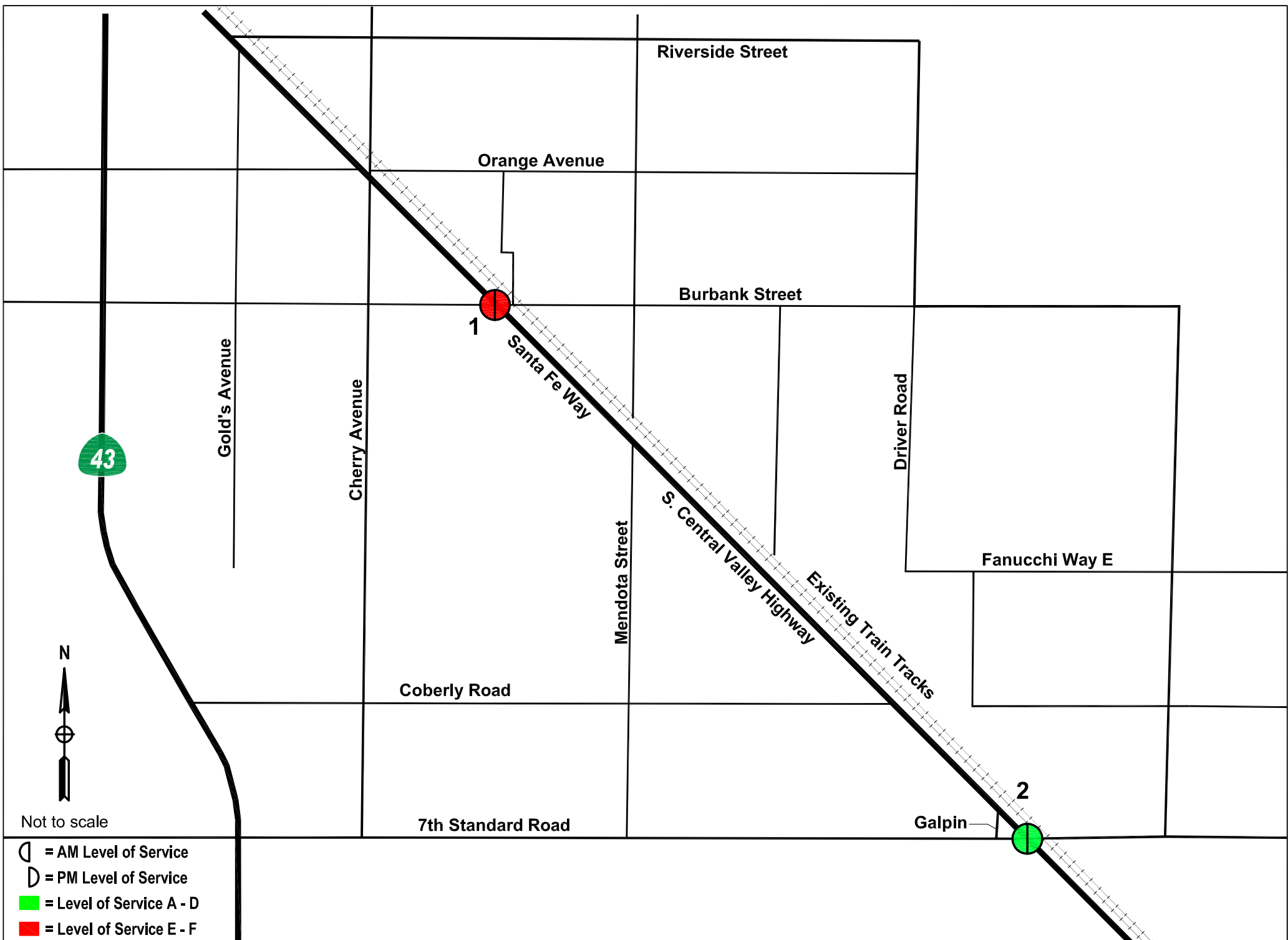


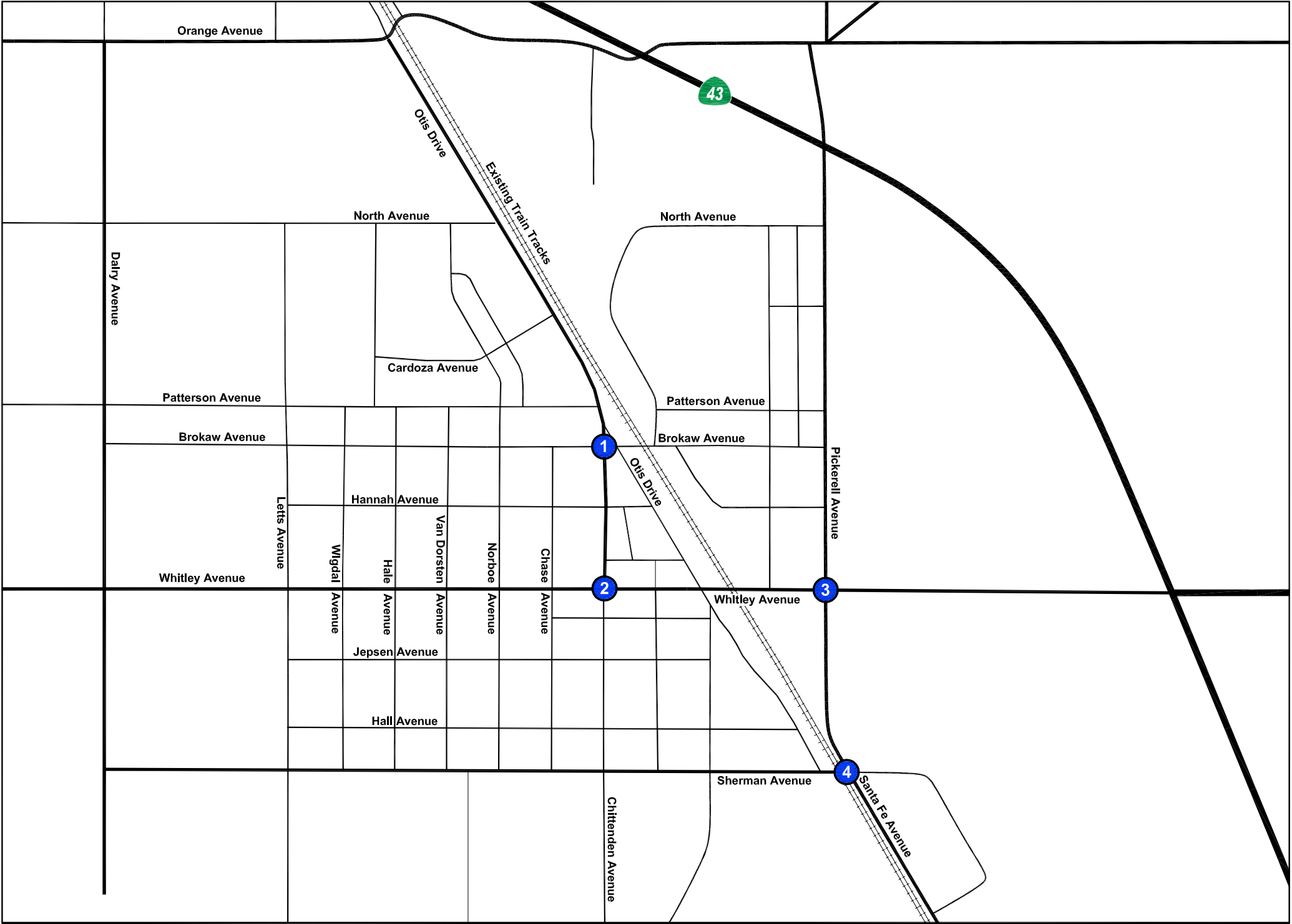


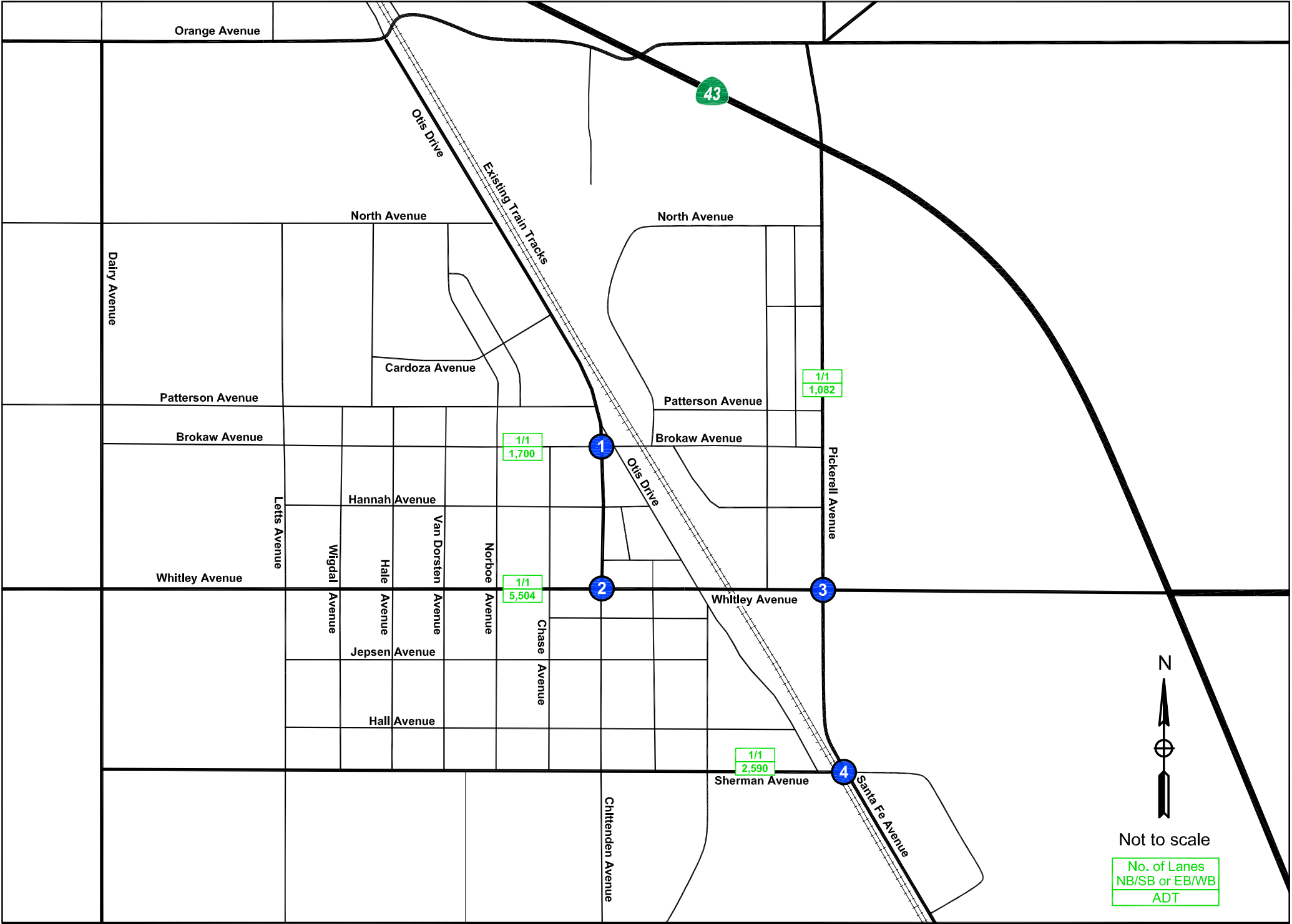
- X = Signalized Intersection
- X = Unsignalized Intersection

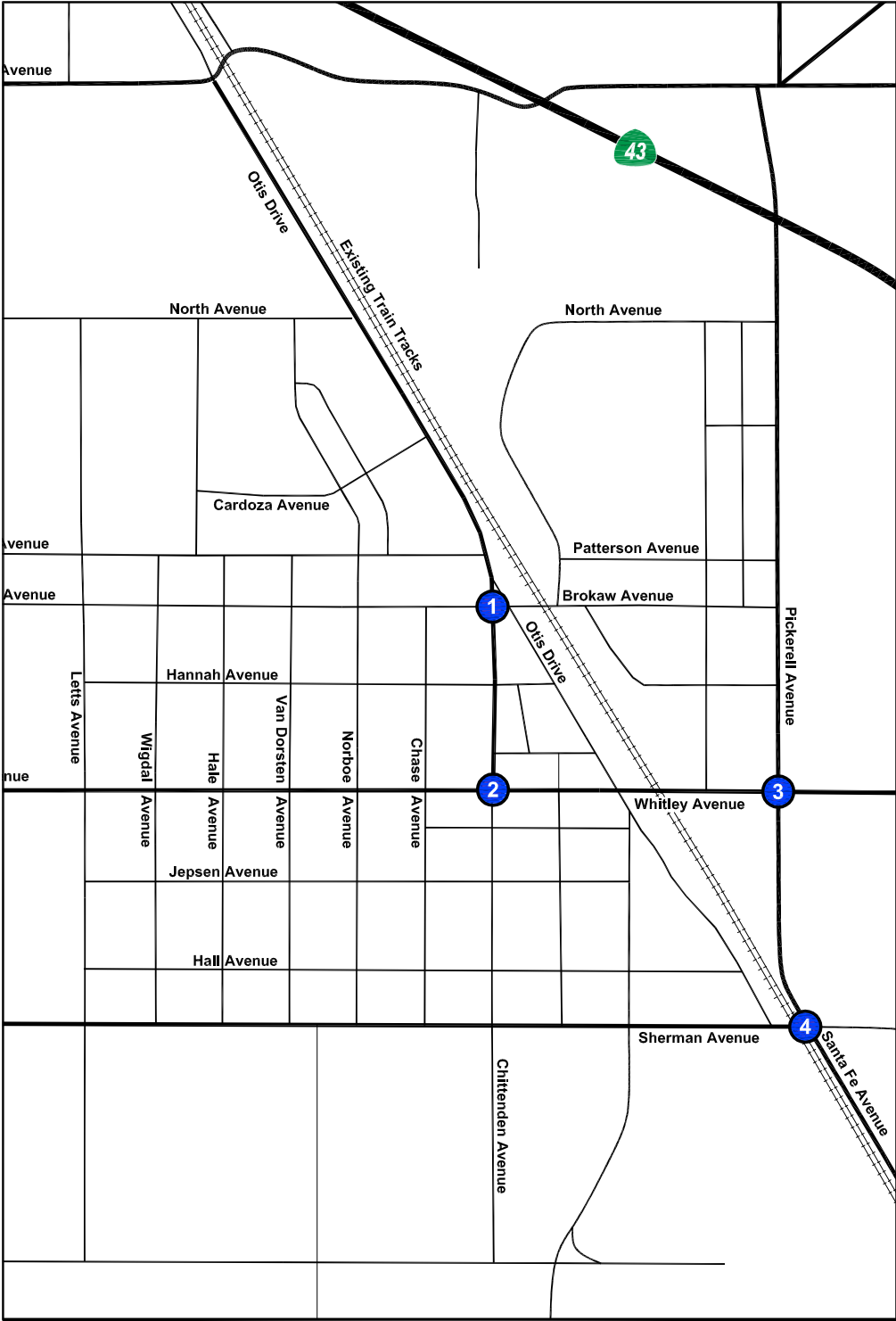
Not to scale XX(XX) = AM(PM) Peak Hour Volumes

1. Santa Fe Way / Burbank Street	2. Santa Fe Way / Galpin - 7th Standard Road
<p>Diagram 1 shows the intersection of Santa Fe Way and Burbank Street. Santa Fe Way is a four-lane road with a center turn lane. Burbank Street is a two-lane road. Traffic volumes are shown for each movement. Santa Fe Way volumes: Northbound (1, 38, 16), Southbound (92, 1,027, 0), Eastbound (8, 11, 5), Westbound (2, 889, 57). Burbank Street volumes: Northbound (8, 11, 5), Southbound (2, 889, 57).</p>	<p>Diagram 2 shows the intersection of Santa Fe Way and Galpin. Santa Fe Way is a four-lane road with a center turn lane. Galpin is a two-lane road. Traffic volumes are shown for each movement. Santa Fe Way volumes: Northbound (1, 38, 16), Southbound (92, 1,027, 0), Eastbound (8, 11, 5), Westbound (2, 889, 57). Galpin volumes: Northbound (216, 594), Southbound (197, 12).</p>







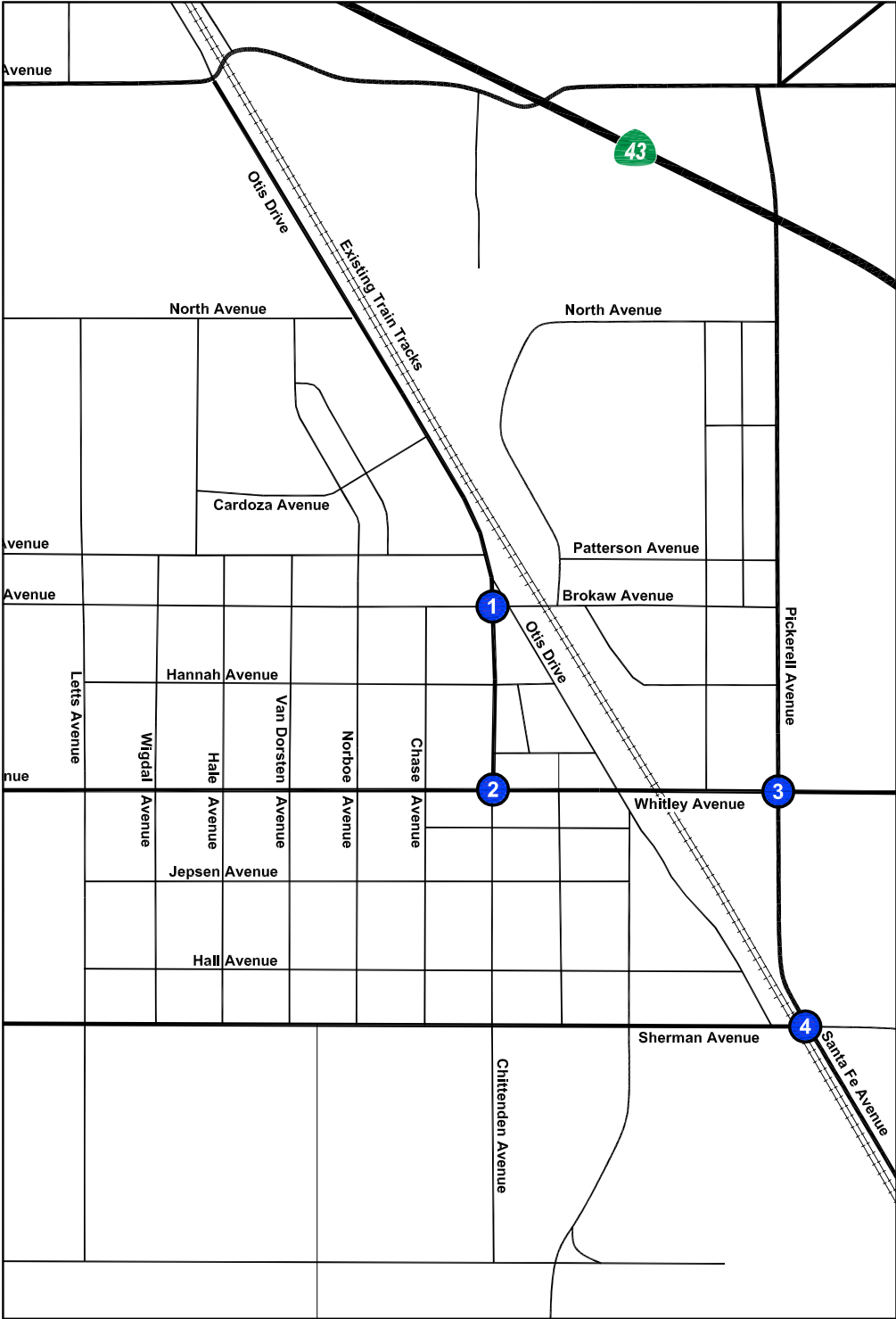


1. Brokaw Avenue / Chittenden Avenue	2. Whitley Avenue / Chittenden Avenue
3. Whitley Avenue / Pickerell Avenue	4. Sherman Avenue / Santa Fe Avenue



- = Stop Sign
- = Yield Sign
- = Unsignalized Intersection

Not to scale

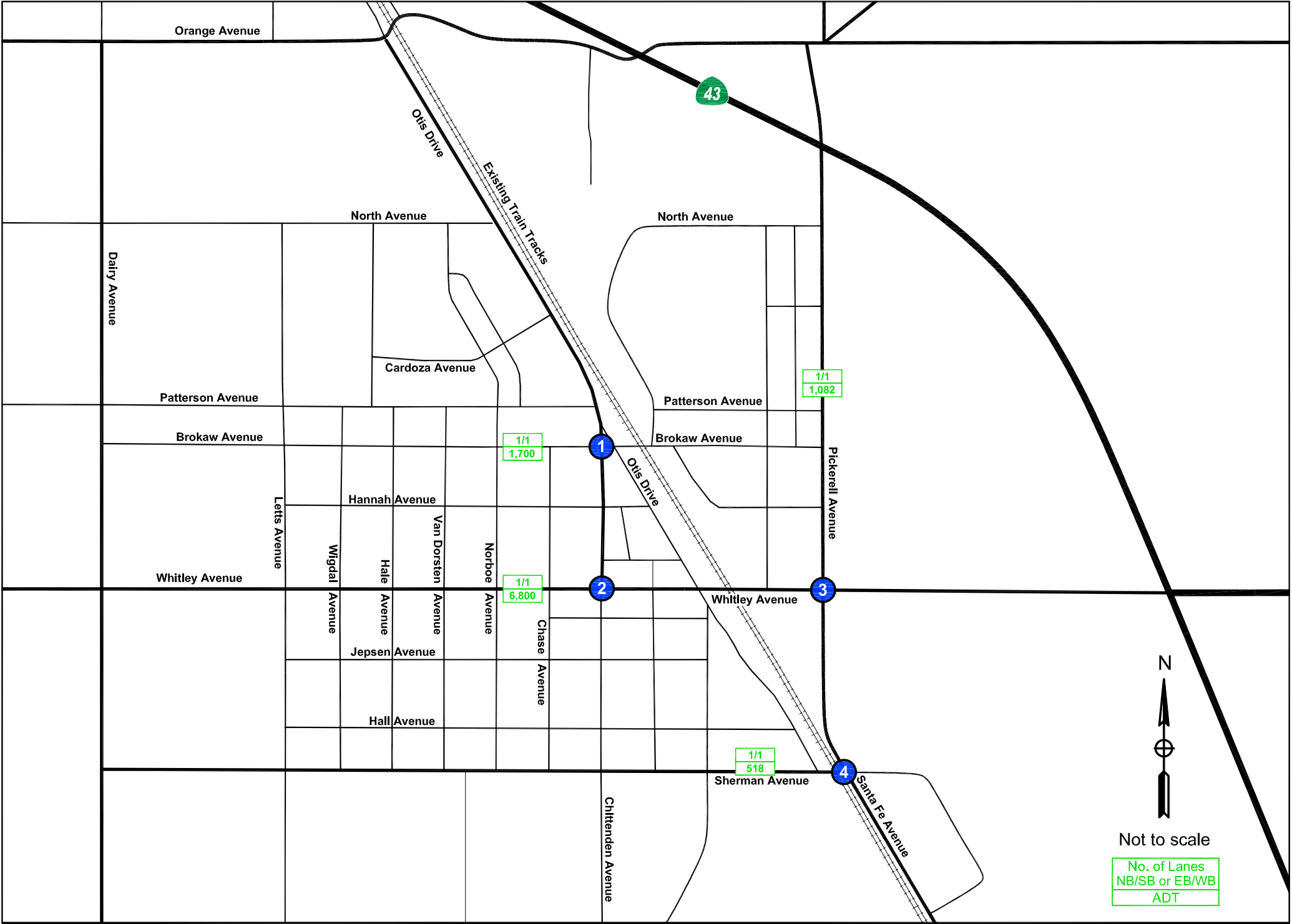


1. Brokaw Avenue / Chittenden Avenue	2. Whitley Avenue / Chittenden Avenue
<p>Diagram 1: Brokaw Avenue / Chittenden Avenue. Arrows indicate turning movements with volumes in parentheses. Northbound (Brokaw): Left 25(20), Through 60(76). Southbound (Chittenden): Left 16(25), Through 6(6). Eastbound (Brokaw): Left 16(21), Through 4(3). Westbound (Chittenden): Left 5(16), Through 23(41).</p>	<p>Diagram 2: Whitley Avenue / Chittenden Avenue. Arrows indicate turning movements with volumes in parentheses. Northbound (Whitley): Left 30(47), Through 21(30), Right 9(5). Southbound (Chittenden): Left 20(41), Through 107(142), Right 10(20). Eastbound (Whitley): Left 8(15), Through 72(144), Right 5(12). Westbound (Chittenden): Left 6(11), Through 14(21), Right 8(8).</p>
3. Whitley Avenue / Pickerell Avenue	4. Sherman Avenue / Santa Fe Avenue
<p>Diagram 3: Whitley Avenue / Pickerell Avenue. Arrows indicate turning movements with volumes in parentheses. Northbound (Whitley): Left 27(26), Through 15(12), Right 3(4). Southbound (Pickerell): Left 17(24), Through 70(87), Right 9(6). Eastbound (Whitley): Left 2(5), Through 44(71), Right 12(12). Westbound (Pickerell): Left 4(9), Through 11(14), Right 13(17).</p>	<p>Diagram 4: Sherman Avenue / Santa Fe Avenue. Arrows indicate turning movements with volumes in parentheses. Northbound (Sherman): Left 24(30), Through 15(4), Right 5(1). Southbound (Santa Fe): Left 24(19), Through 4(2), Right 38(19). Eastbound (Sherman): Left 7(2), Through 4(5). Westbound (Santa Fe): Left 21(37), Through 8(15), Right 1(0).</p>



= Unsignalized Intersection

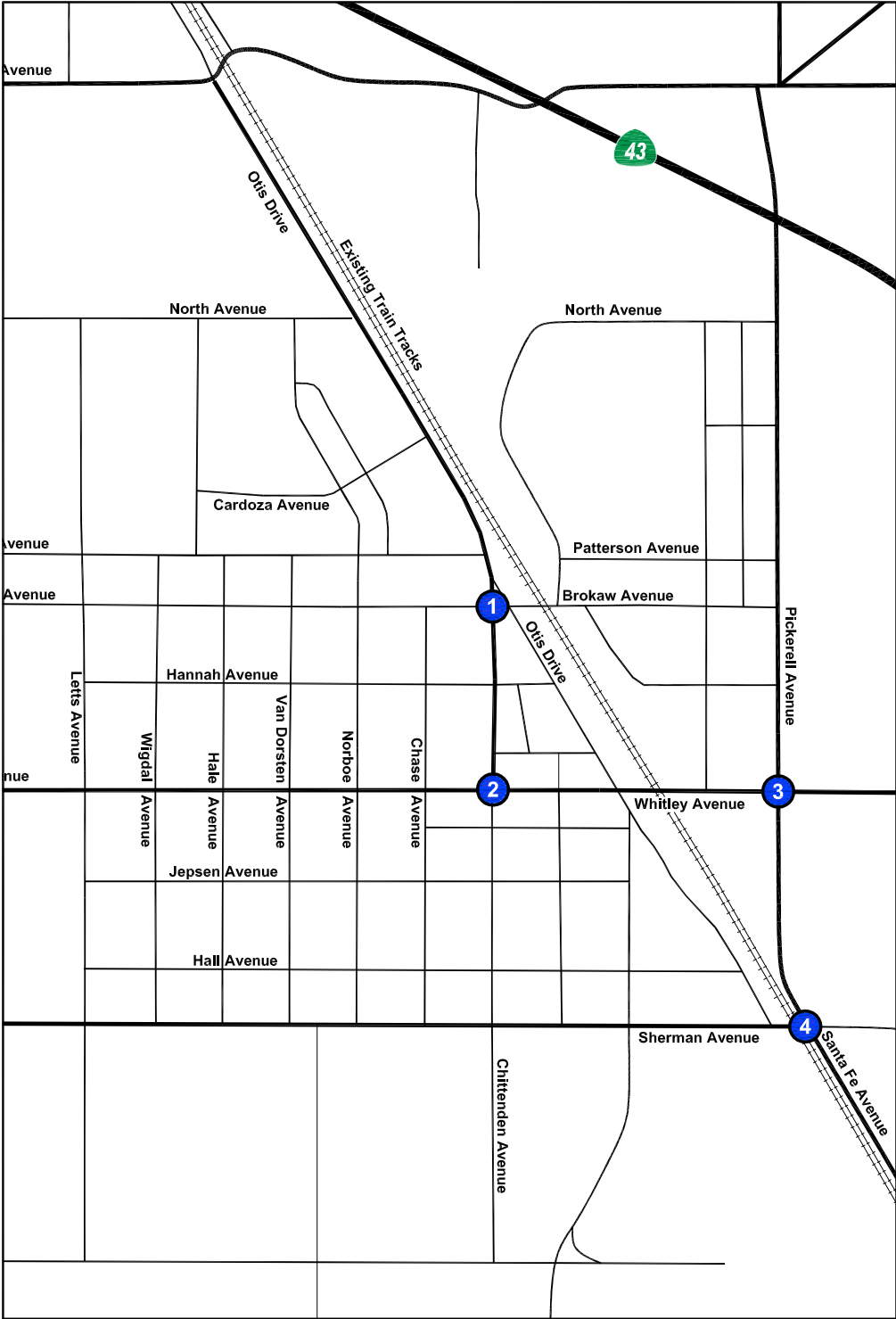
Not to scale XX(XX) = AM(PM) Peak Hour Volumes



N

Not to scale

No. of Lanes
NB/SB or EB/WB
ADT

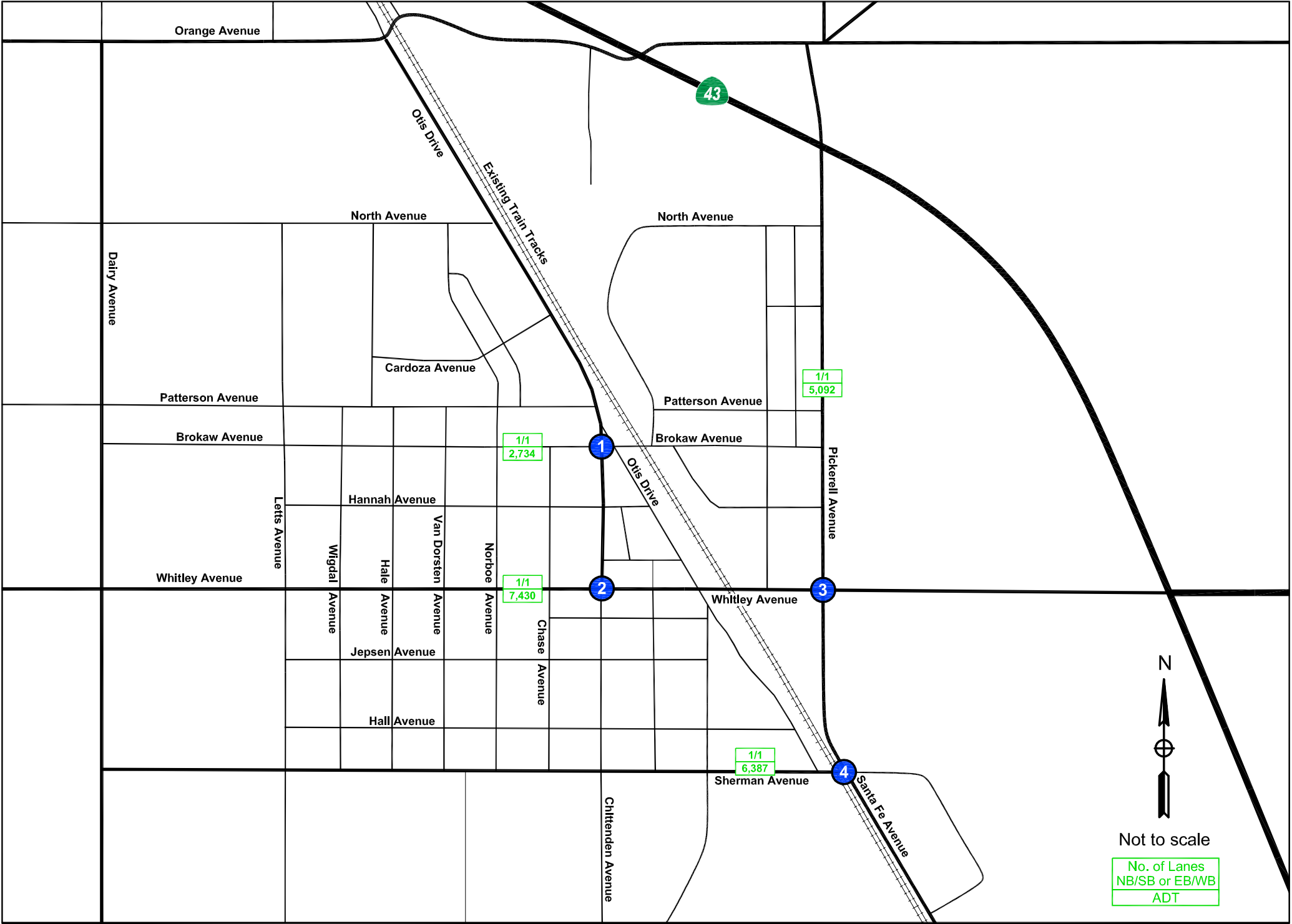


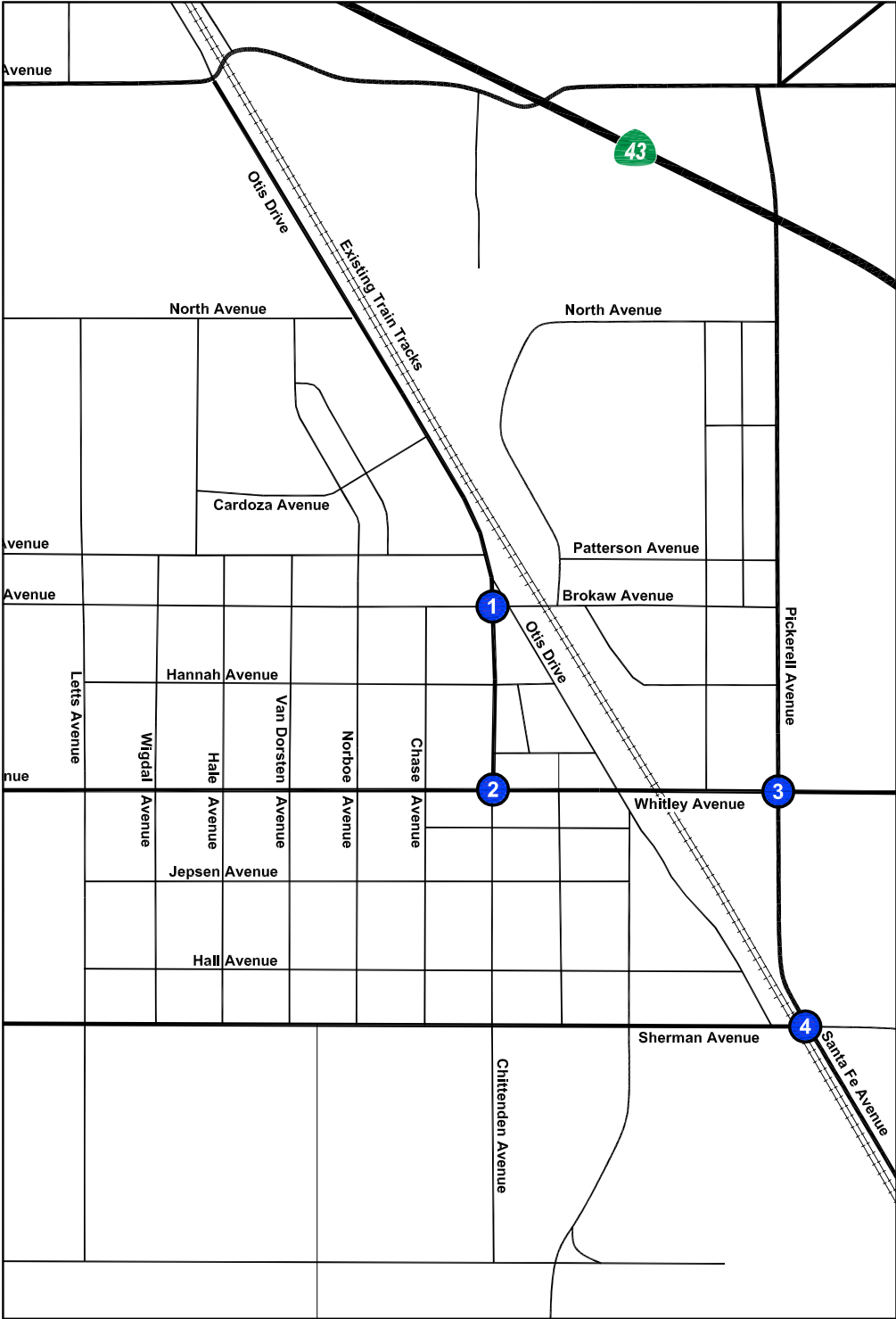
1. Brokaw Avenue / Chittenden Avenue	2. Whitley Avenue / Chittenden Avenue
3. Whitley Avenue / Pickerell Avenue	4. Sherman Avenue / Santa Fe Avenue



= Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes



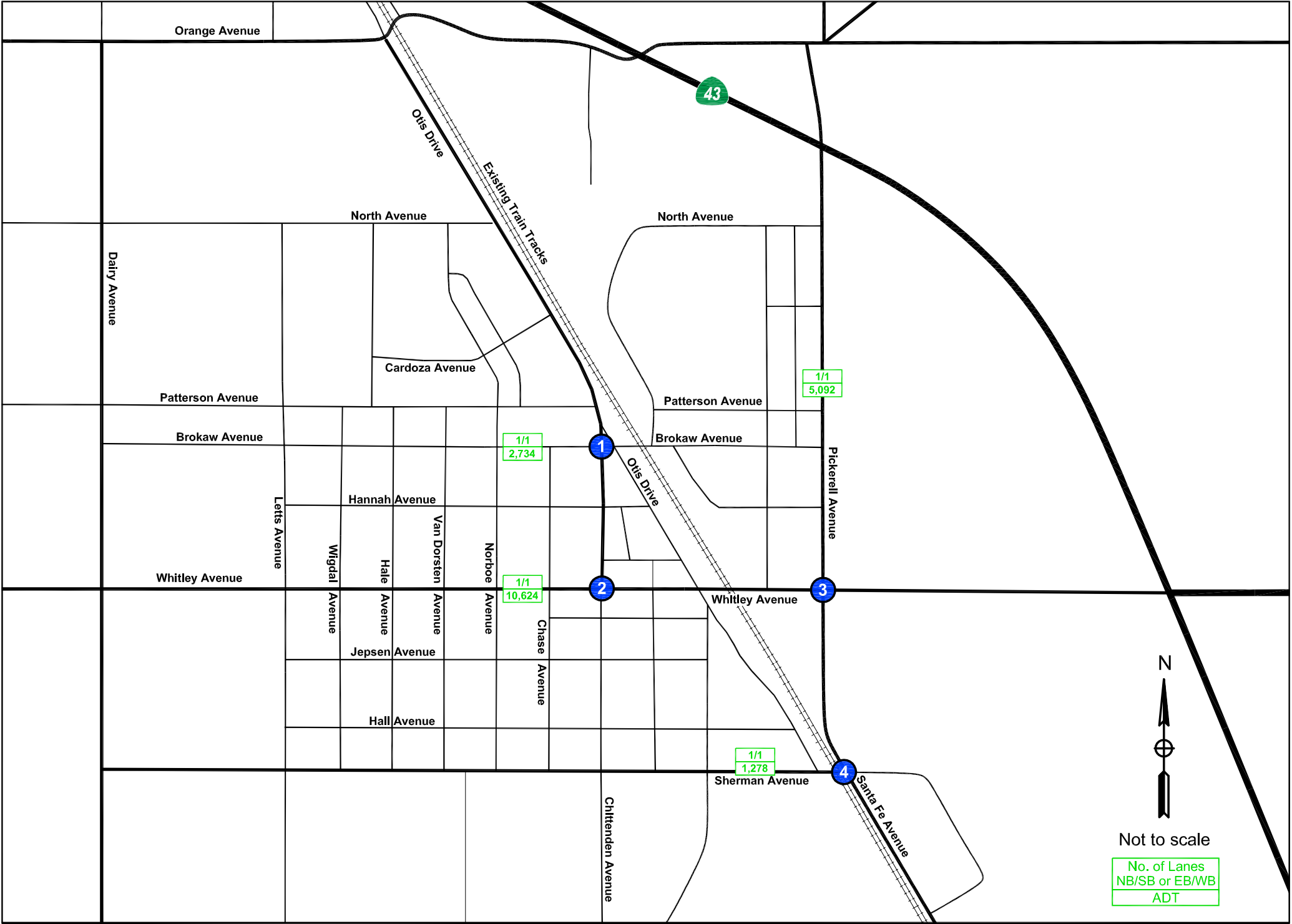


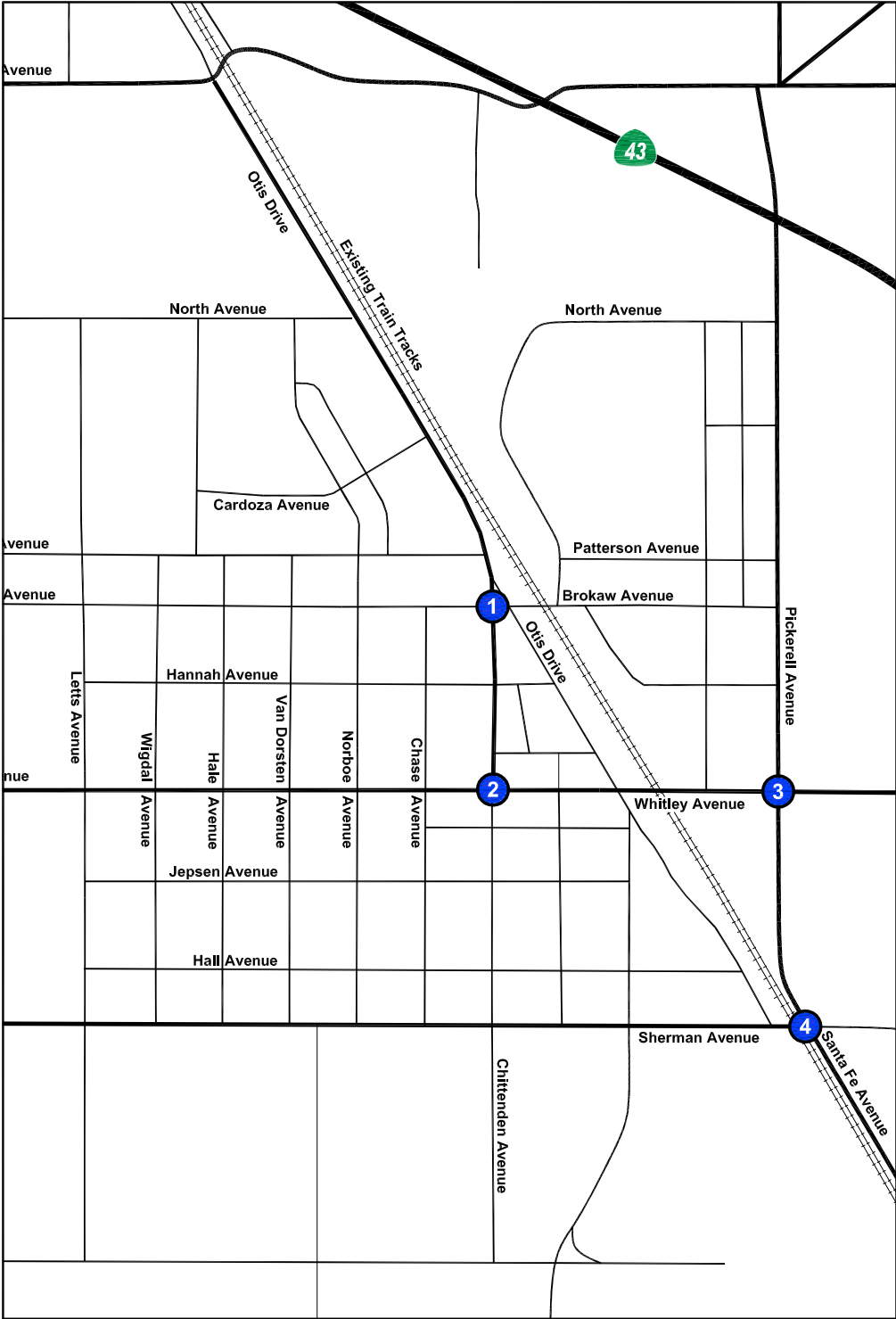
1. Brokaw Avenue / Chittenden Avenue	2. Whitley Avenue / Chittenden Avenue
3. Whitley Avenue / Pickerell Avenue	4. Sherman Avenue / Santa Fe Avenue



= Unsignalized Intersection

Not to scale XX(XX) = AM(PM) Peak Hour Volumes



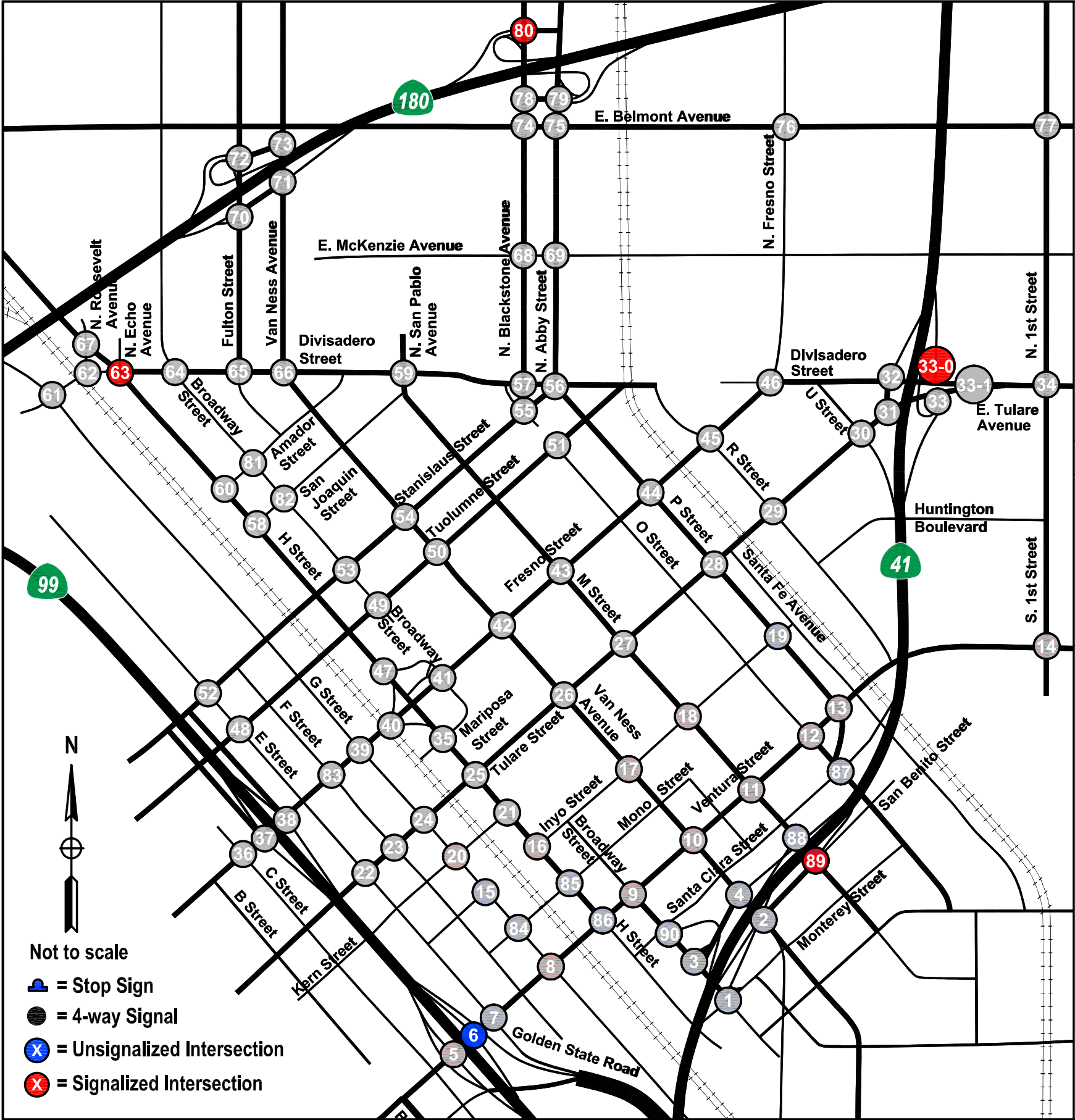


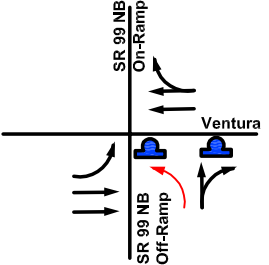
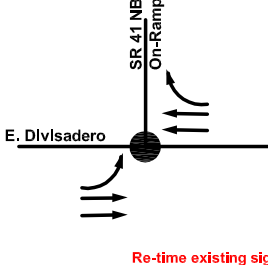
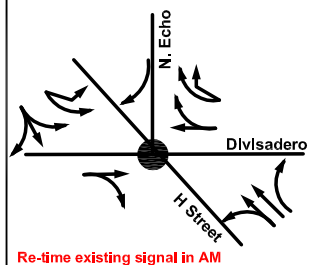
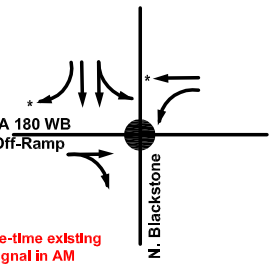
1. Brokaw Avenue / Chittenden Avenue	2. Whitley Avenue / Chittenden Avenue
3. Whitley Avenue / Pickerell Avenue	4. Sherman Avenue / Santa Fe Avenue

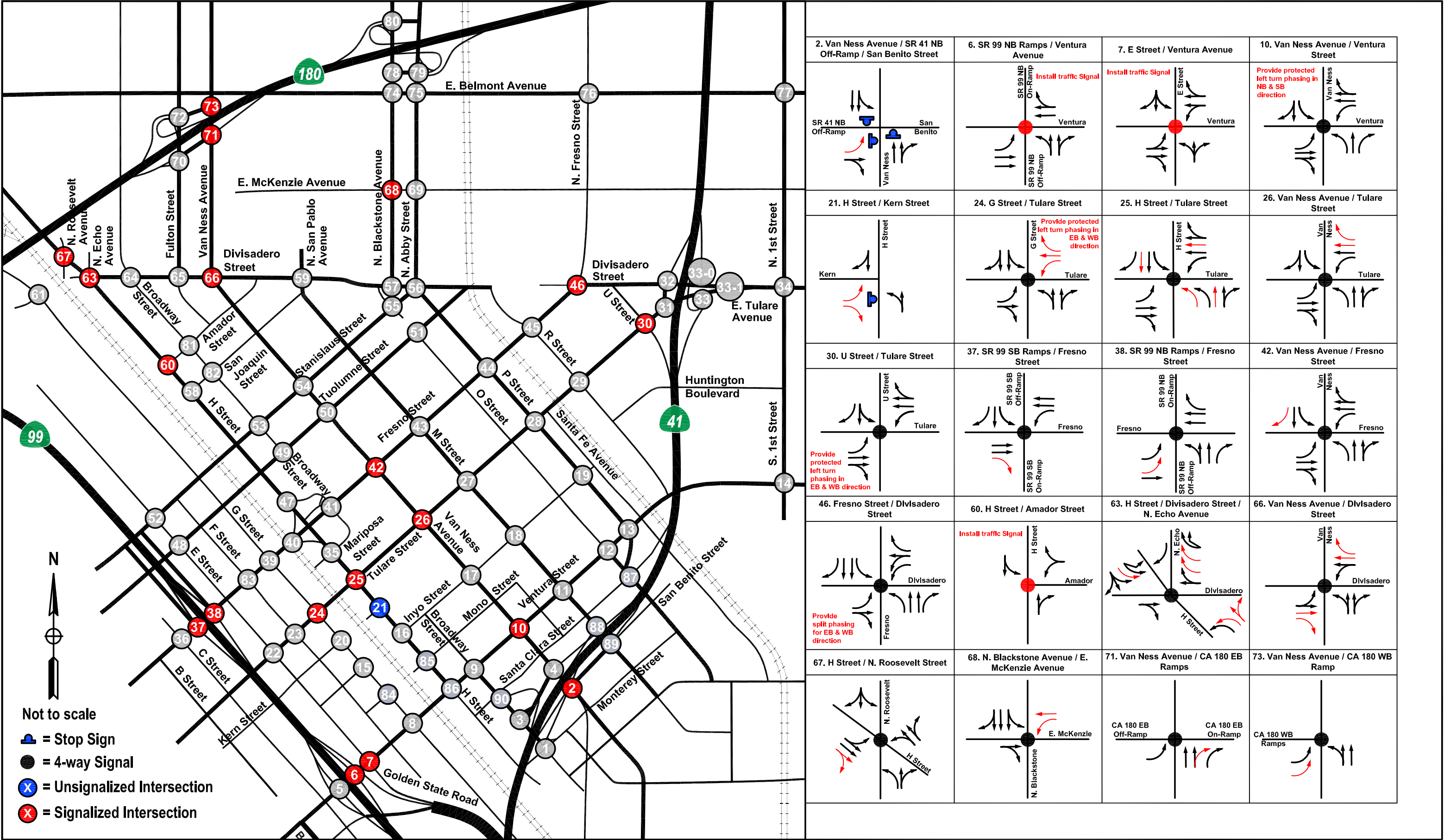


= Unsignalized Intersection

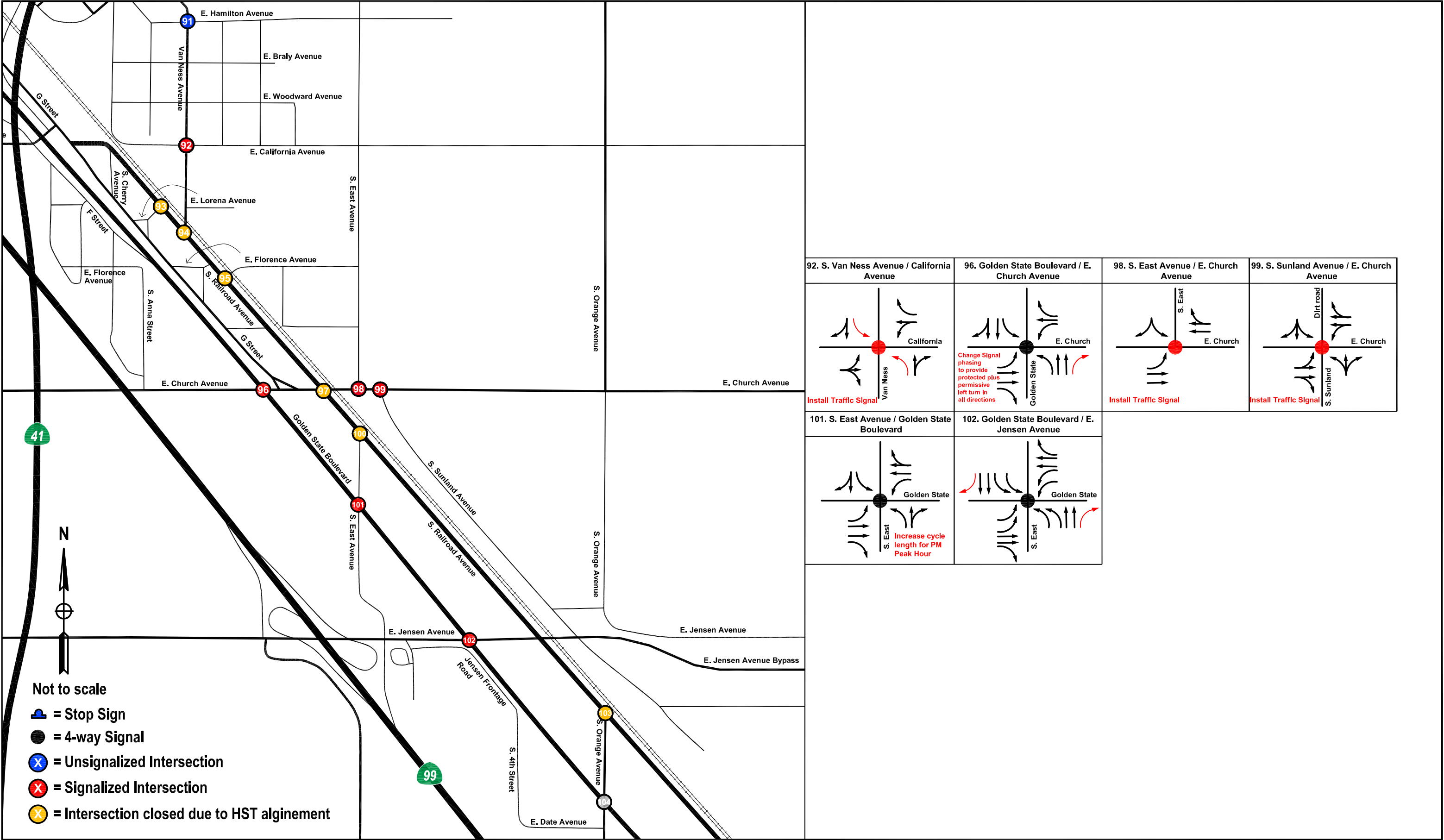
Not to scale XX(XX) = AM(PM) Peak Hour Volumes

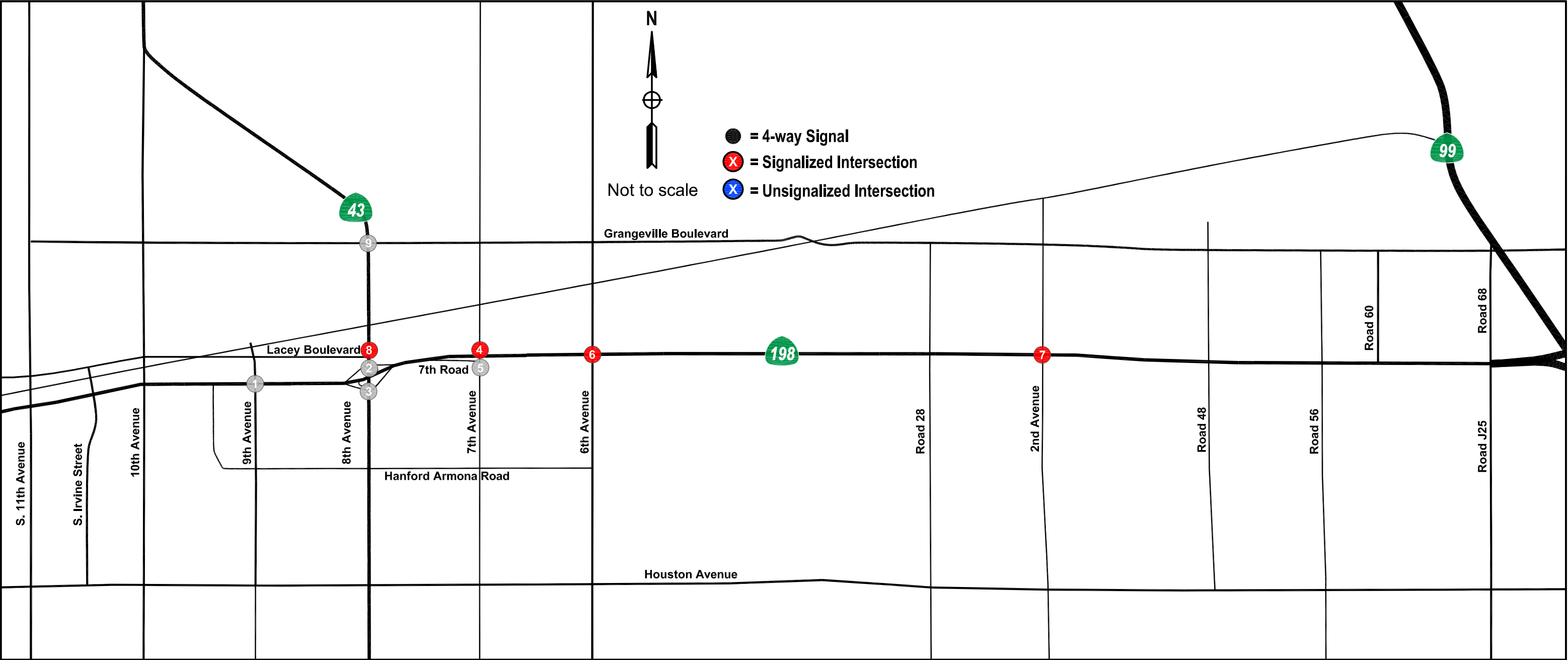


6. SR 99 NB Ramps / Ventura Avenue	33-0. SR 41 NB On-Ramp / E. Divisadero Street	63. H Street / Divisadero Street / N. Echo Avenue	80. N. Blackstone Avenue / CA 180 WB Ramps
	 Re-time existing signal	 Re-time existing signal in AM	 Re-time existing signal in AM

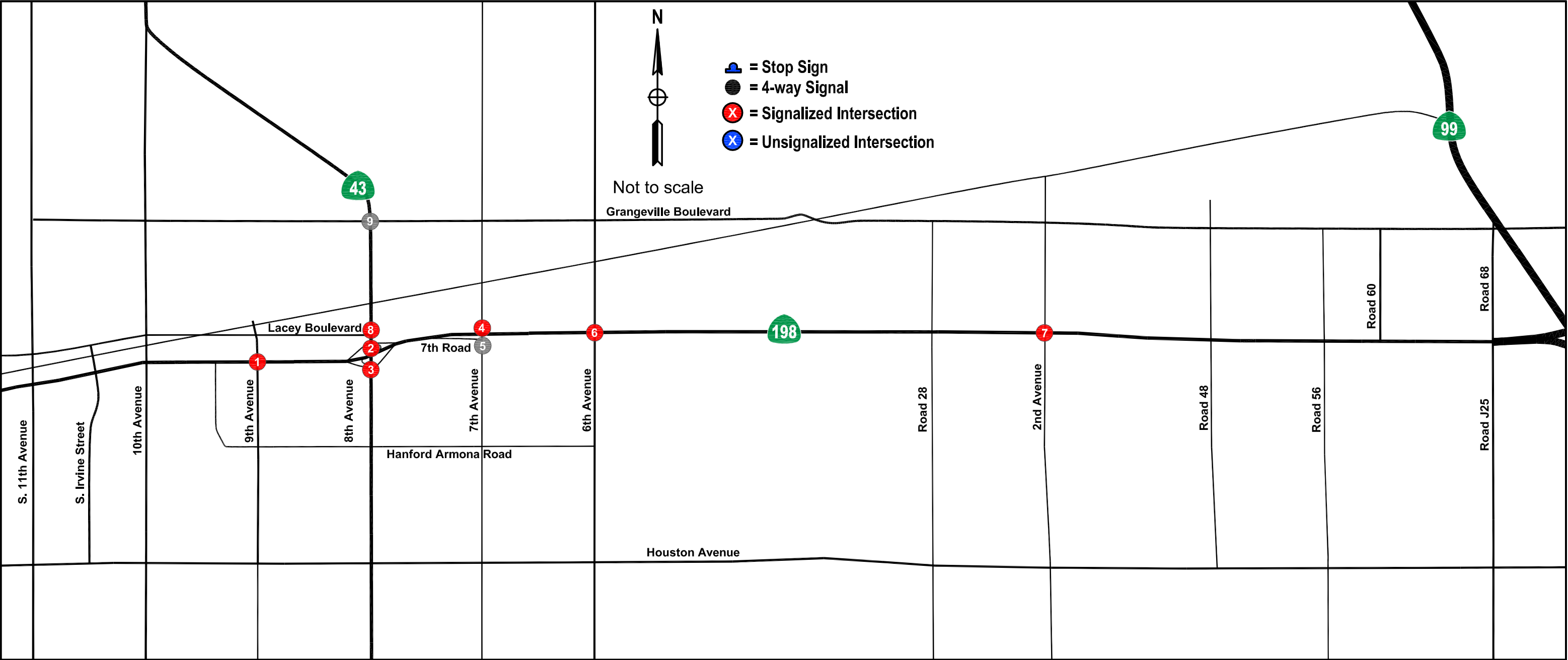


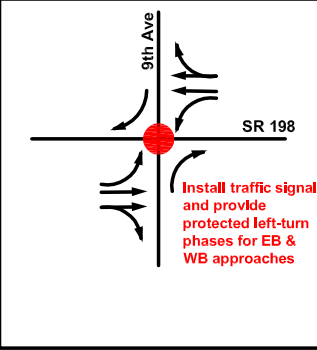
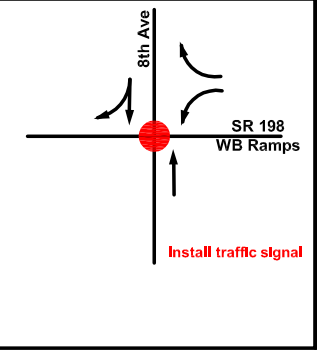
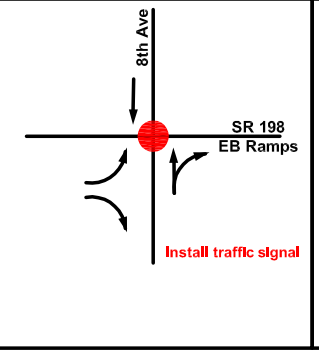
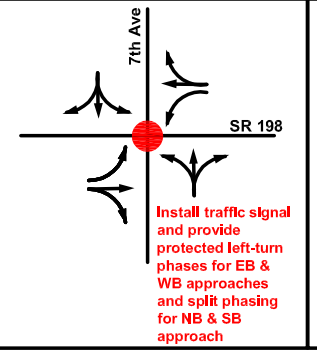
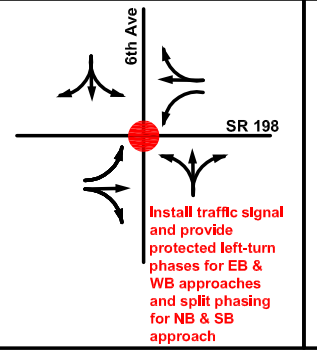
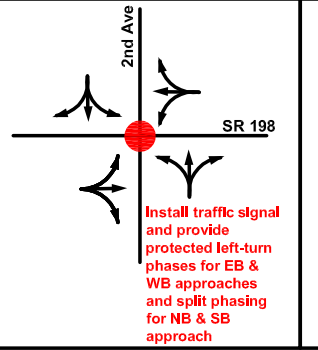
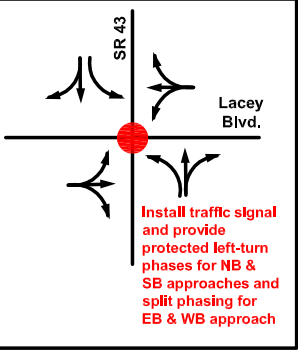
California High-Speed Train Program EIR/EIS	Fresno Station - Future plus Project Mitigation Measures	Figure 5.5-1b
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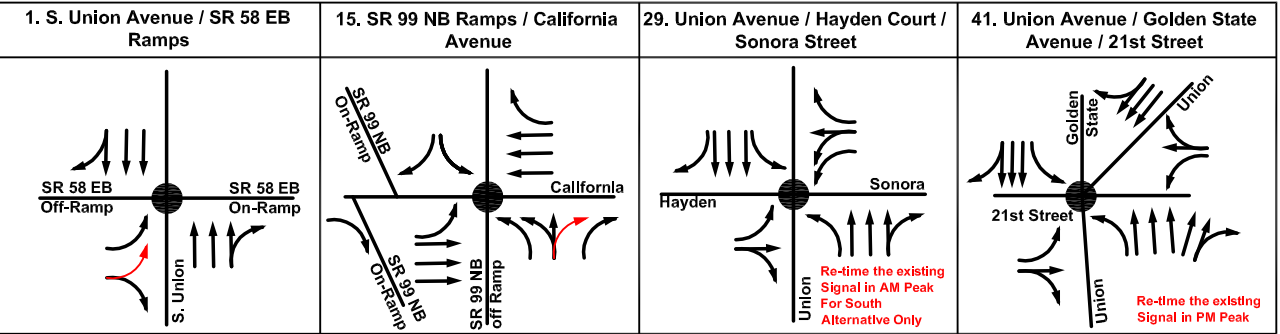




4. 7th Avenue / SR-198	6. 6th Avenue / SR 198	7. 2nd Avenue / SR 198	8. SR 43 / Lacey Boulevard
Install a Traffic Signal at Intersection 	Install a Traffic Signal at Intersection 	Install a Traffic Signal at Intersection 	Install a Traffic Signal at Intersection

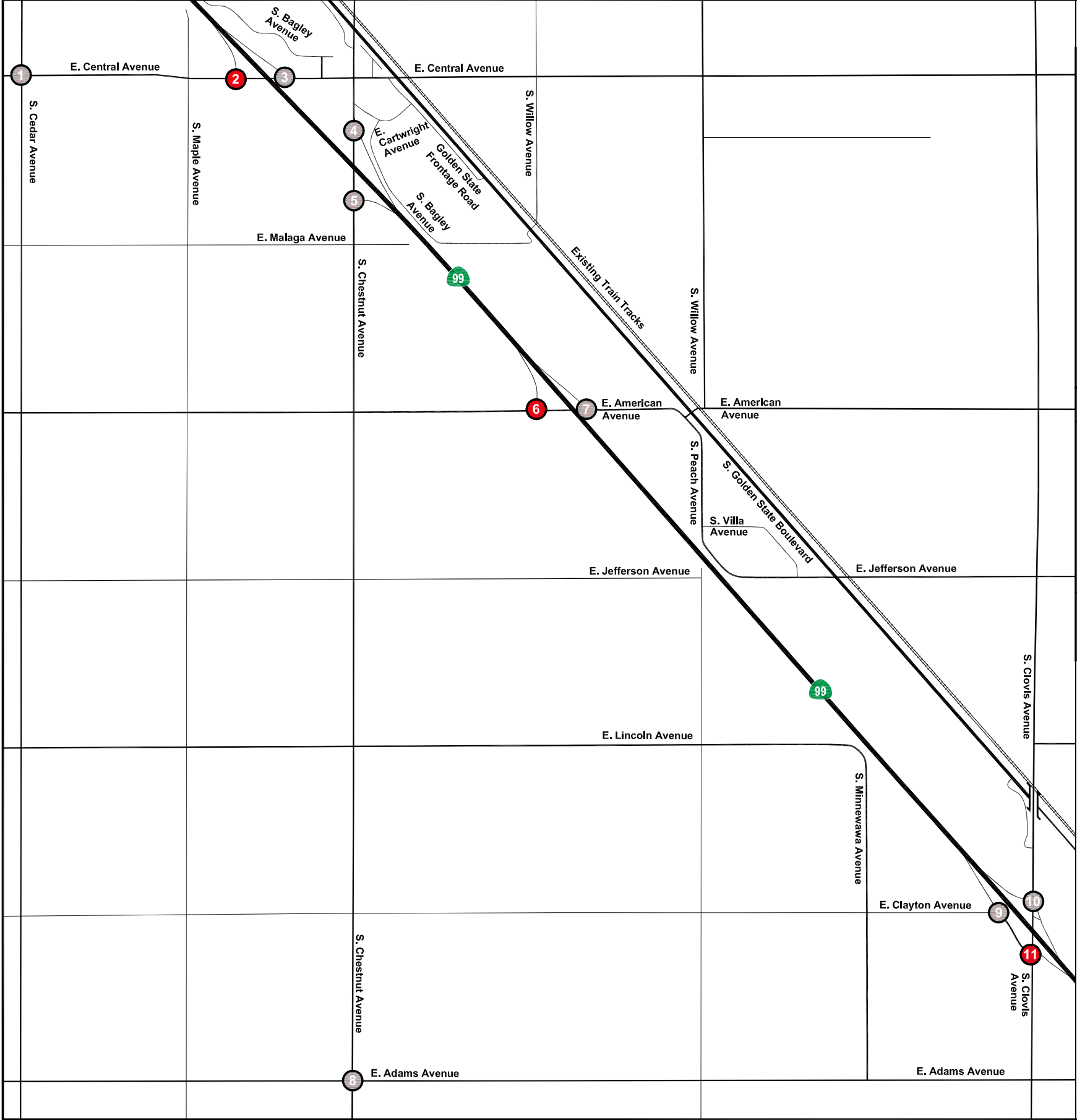


1. 9th Avenue / SR 198	2. 8th Avenue / SR 198 WB Ramps	3. 8th Avenue / SR 198 EB Ramps	4. 7th Avenue / SR-198	6. 6th Avenue / SR 198	7. 2nd Avenue / SR 198	8. SR 43 / Lacey Boulevard
						





1. S. Union Avenue / SR 58 EB Ramps	6. Union Avenue / E. Brundage Lane	7. Liggett Street / E. Brundage Lane	13. P Street / 8th Street
15. SR 99 NB Ramps / California Avenue	16. Oak Street / California Avenue	23. Union Avenue / California Avenue	30. Oak Street / Truxtun Avenue
41. Union Avenue / Golden State Avenue / 21st Street	51. Q Street / Golden State Avenue	56. M Street / 28th Street / Golden State Avenue	

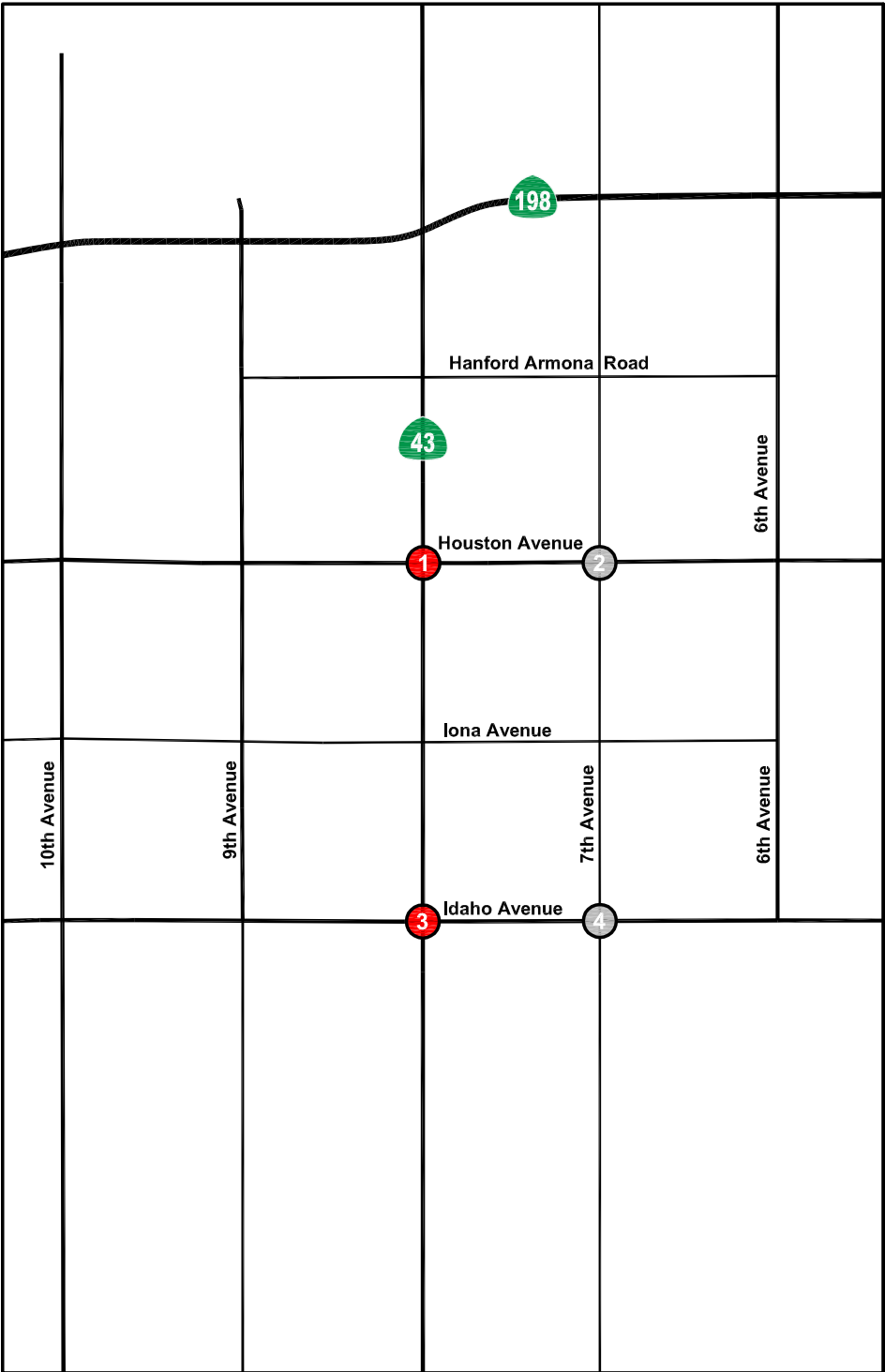


2. SR 99 SB Off-Ramp / E. Central Avenue	6. SR 99 SB Off-Ramp / E. American Avenue	11. S. Clovis Avenue / SR 99 SB On-Ramp
Install Traffic Signal	Install Traffic Signal	Install Traffic Signal

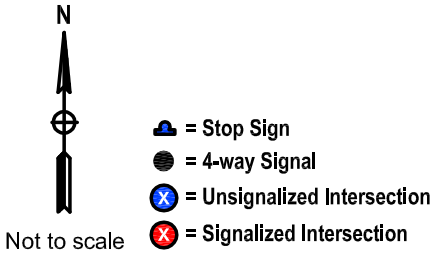
Note: Mitigation measures for intersection 2 and 11 applies to Existing plus Project Conditions also.

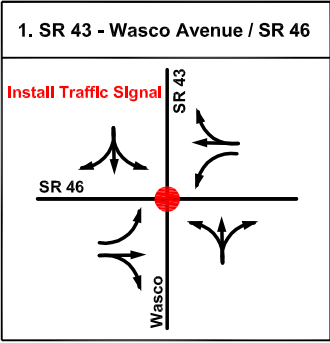
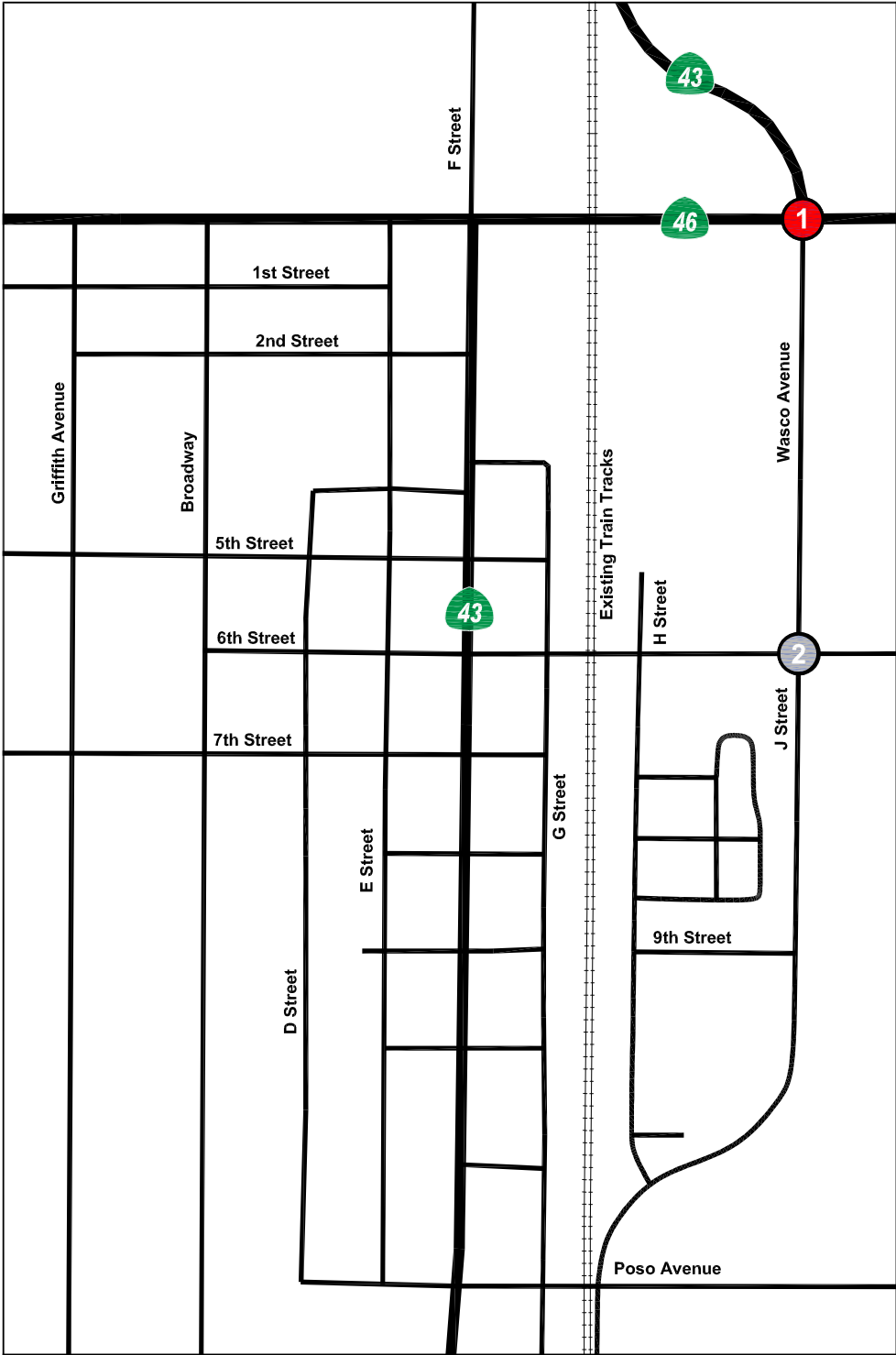
Not to scale

- = Stop Sign
- = 4-way Signal
- = Unsignalized Intersection
- = Signalized Intersection

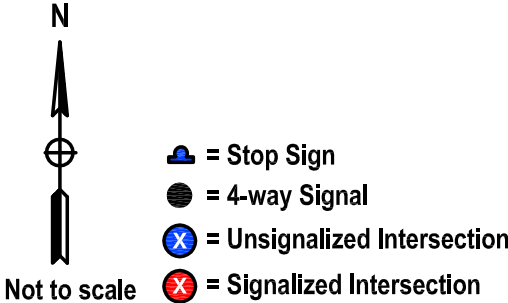


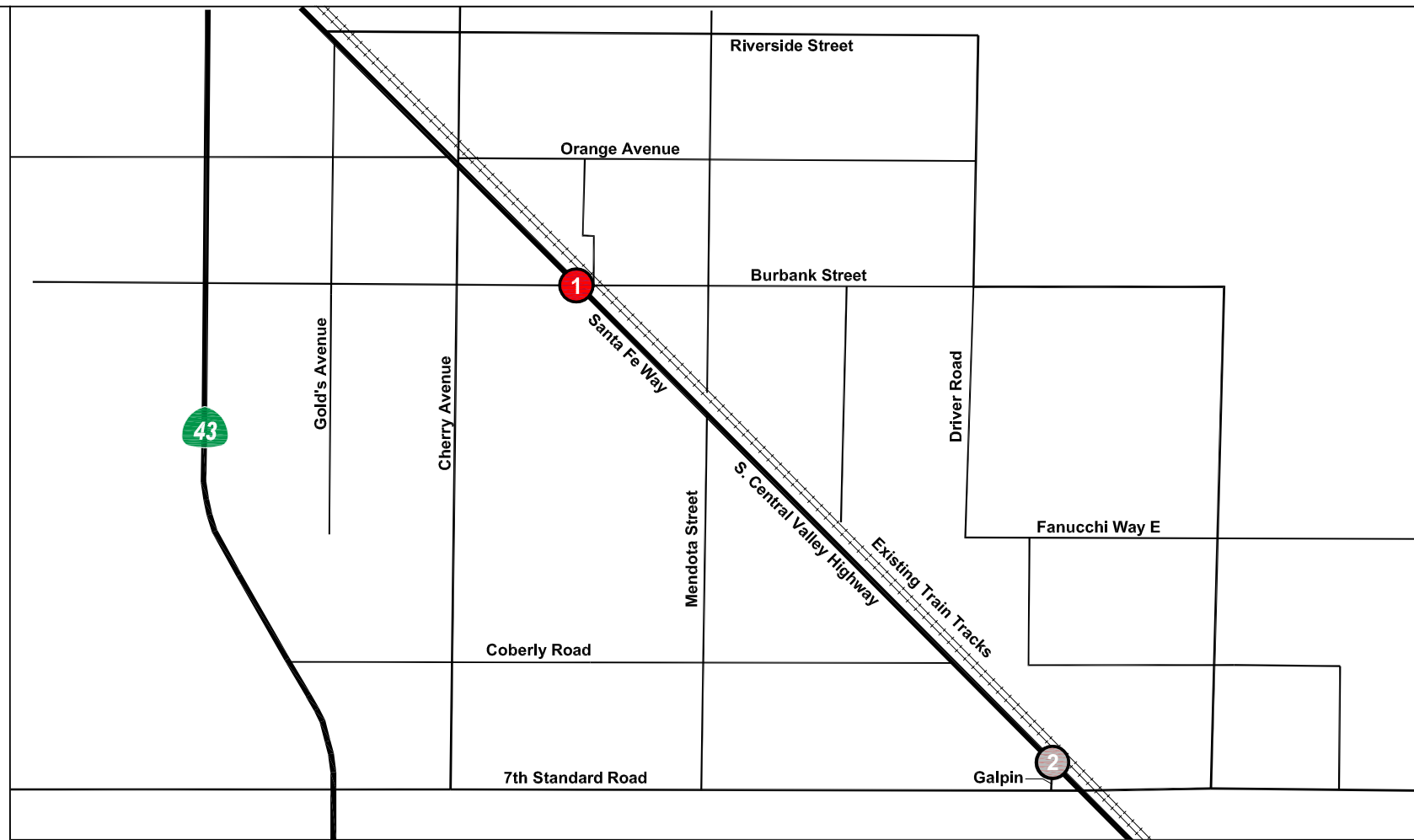
1. SR 43 / Houston Avenue	3. SR 43 / Idaho Avenue
<p>Change EB & WB signal phasing to permissive</p>	<p>Install Traffic Signal</p>





Note: Mitigation measure applies to both Existing plus Project Conditions and No Build plus Project Conditions





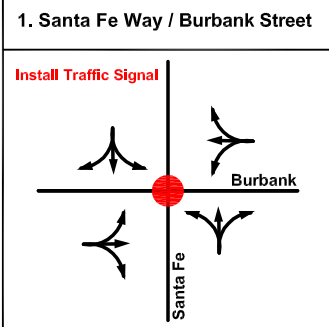
Not to scale

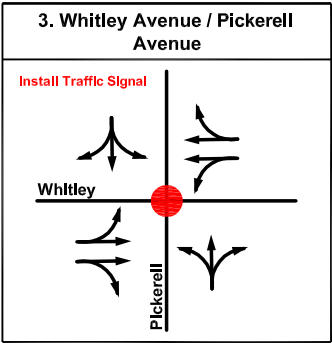
 = Stop Sign

 = 4-way Signal

 = Unsignalized Intersection

 = Signalized Intersection





Mitigations is for Future Plus Project only.



Not to scale

- = Stop Sign
- = 4-way Signal
- = Unsignalized Intersection
- = Signalized Intersection